



Replacement Sheet

REP 1001 vs HSV-1

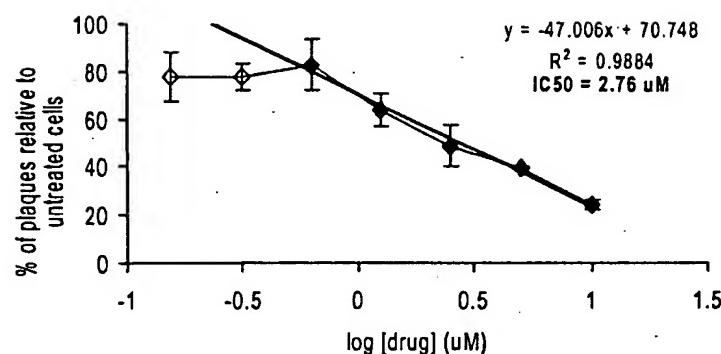


FIG. 1a

REP2001 vs HSV-1

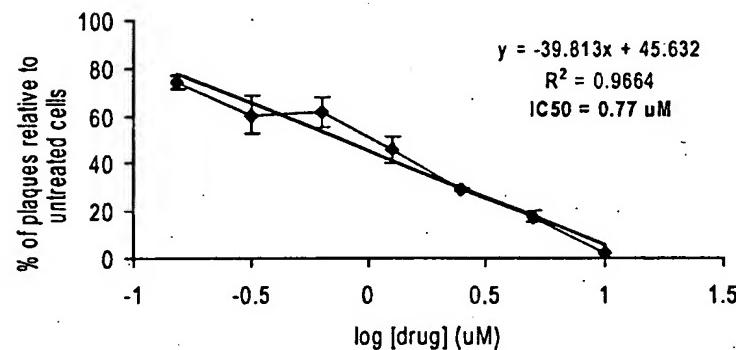


FIG. 1b

REP3007 vs HSV-1

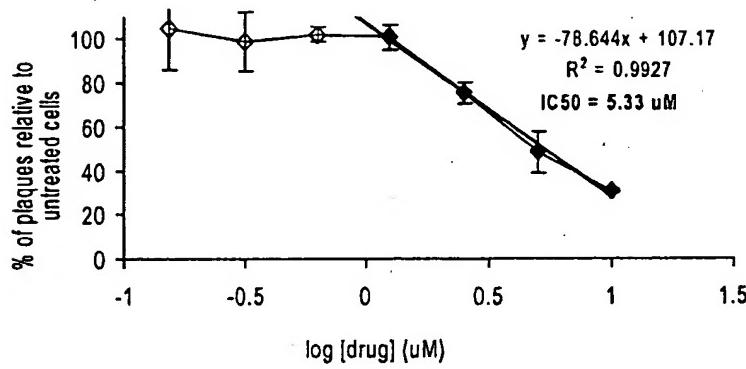


FIG. 1c

Replacement Sheet

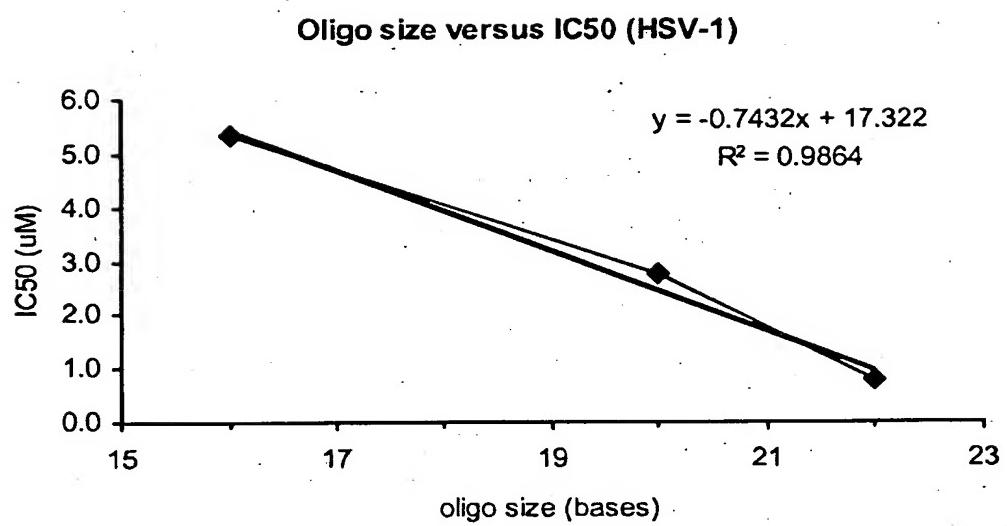


FIG. 2

Replacement Sheet

FIG. 3a

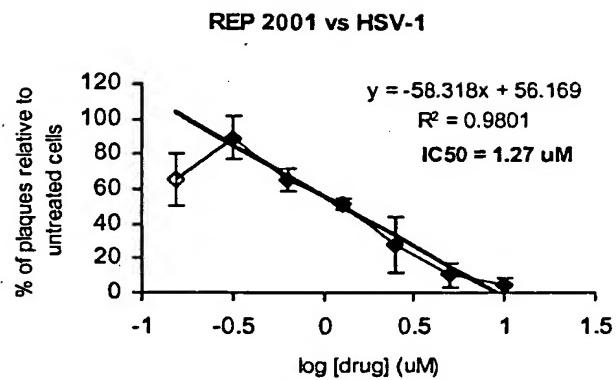


FIG. 3b

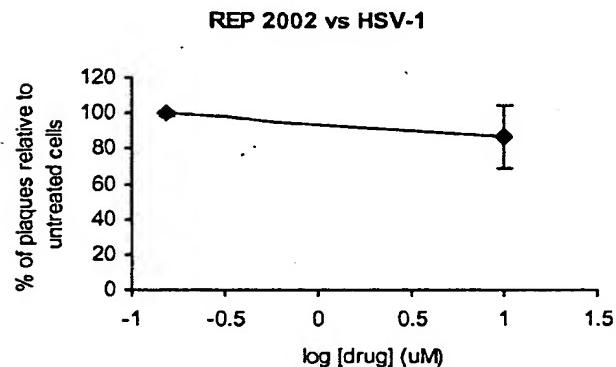


FIG. 3c

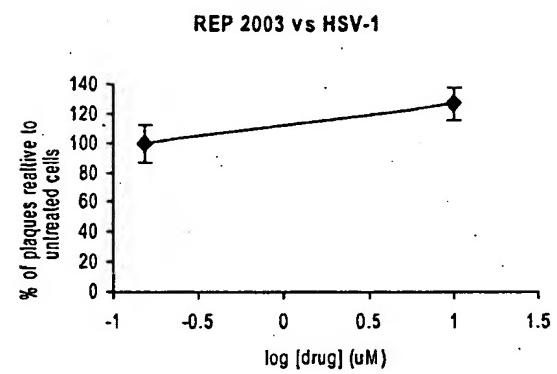
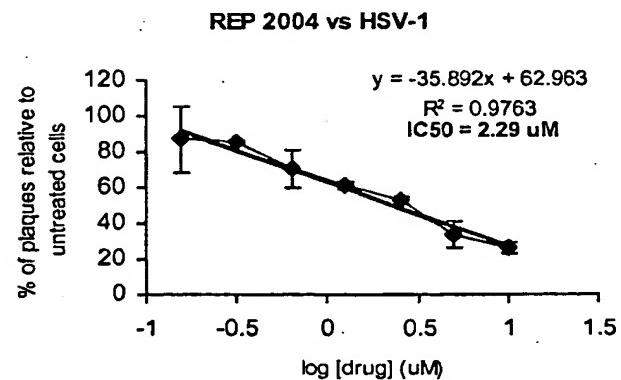


FIG. 3d



Replacement Sheet

FIG. 3e

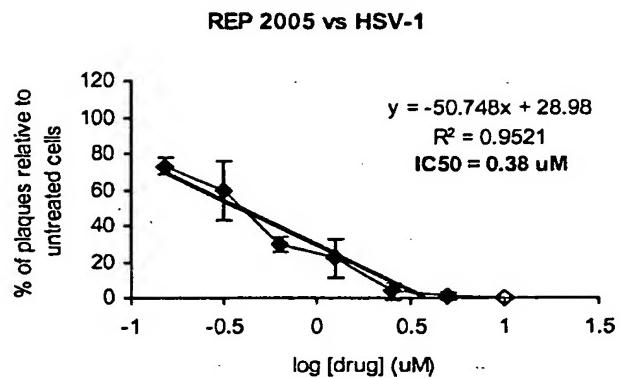


FIG. 3f

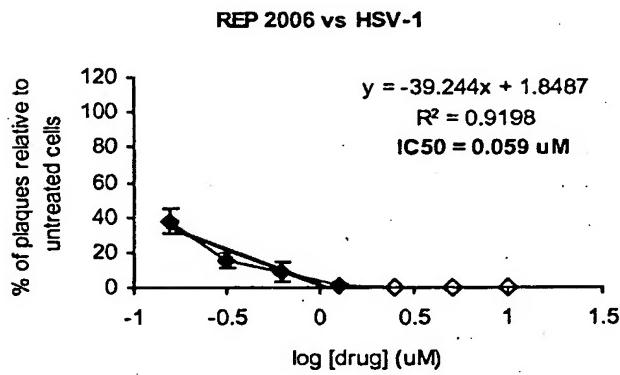
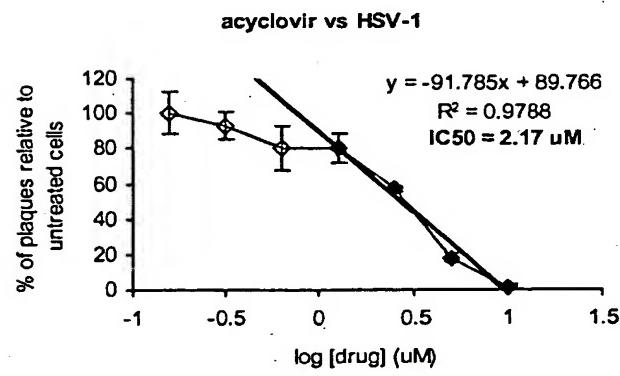


FIG. 3g



Replacement Sheet

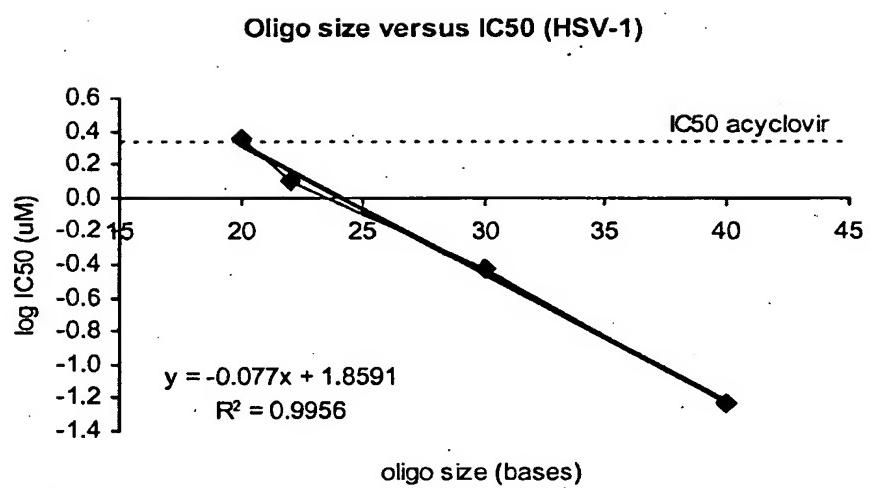


FIG. 4

Replacement Sheet

REP 2003 vs HSV-1

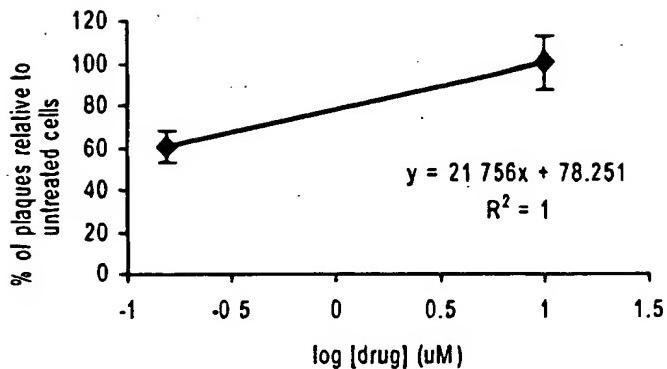


FIG. 5a

REP 2009 vs HSV-1

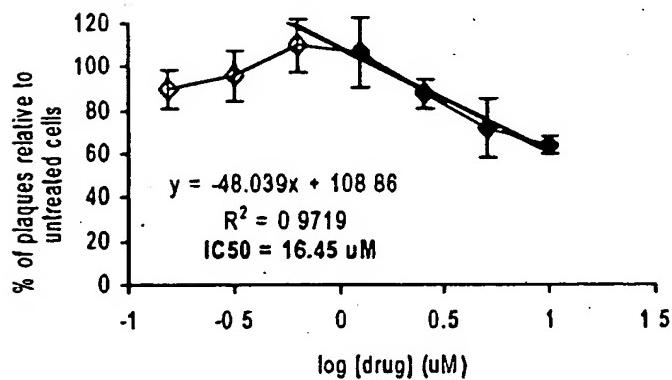


FIG. 5b

REP 2010 vs HSV-1

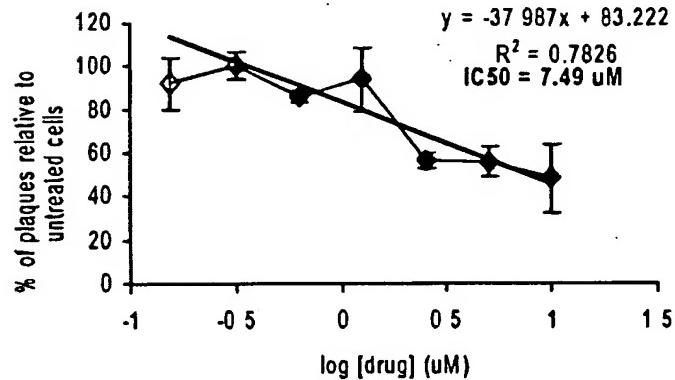


FIG. 5c

Replacement Sheet

REP 2011 vs HSV-1

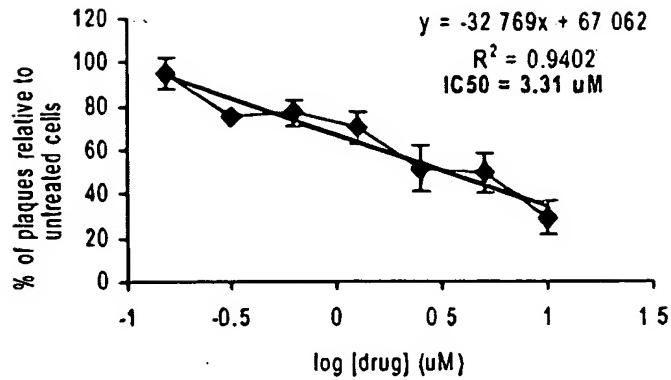


FIG. 5d

REP 2012 vs HSV-1

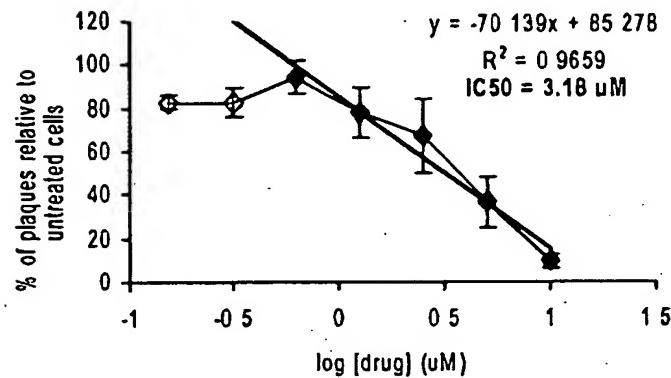


FIG. 5e

REP 2004 vs KOS

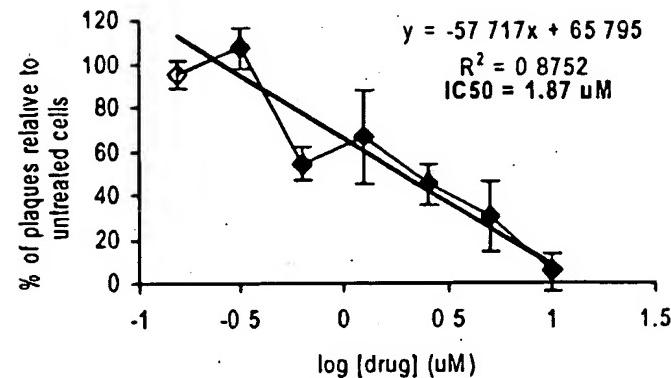


FIG. 5f

Replacement Sheet

REP 2006 vs HSV-1

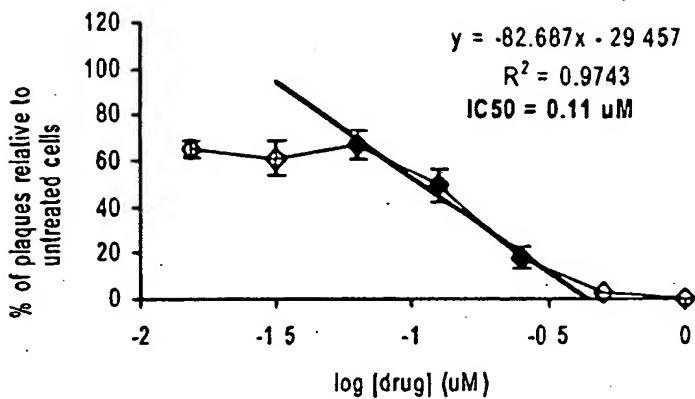


FIG. 5g

REP 2007 vs HSV-1

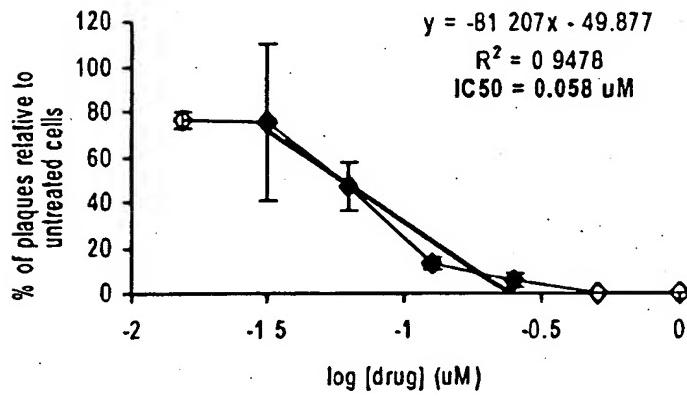


FIG. 5h

REP 2008 vs KOS

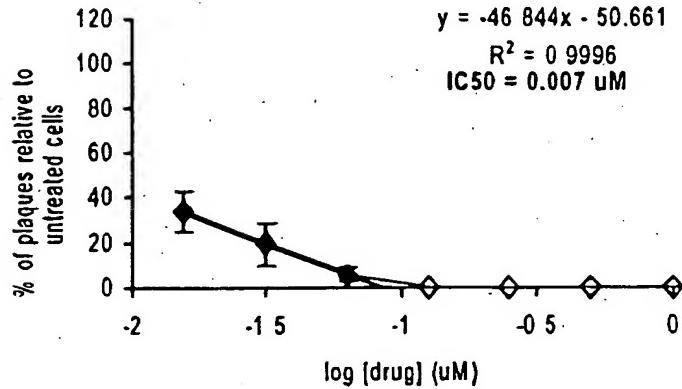
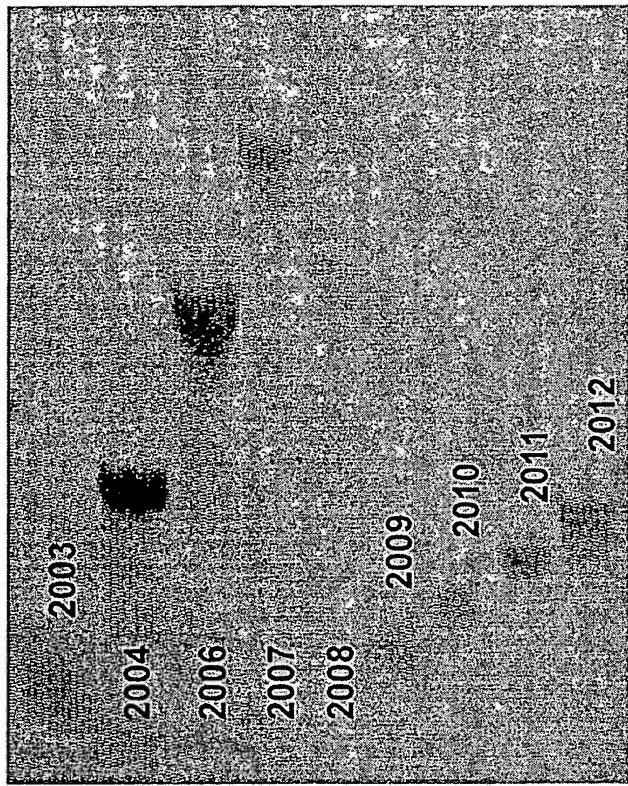


FIG. 5i

Replacement Sheet



2003

2004

2006

2007

2008

2009

2010

2011

2012

FIG. 6

Replacement Sheet

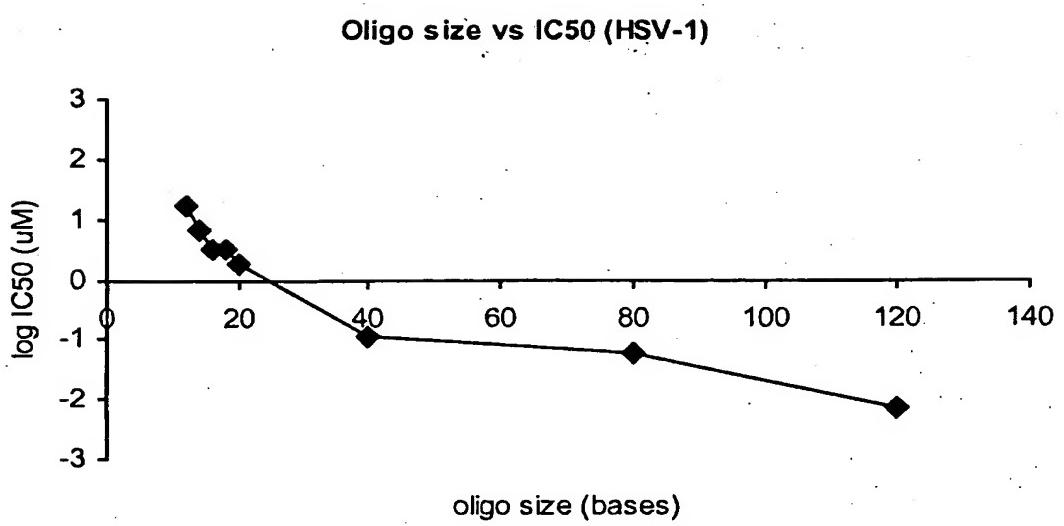


FIG. 7

Replacement Sheet

REP 2013 vs HSV-1

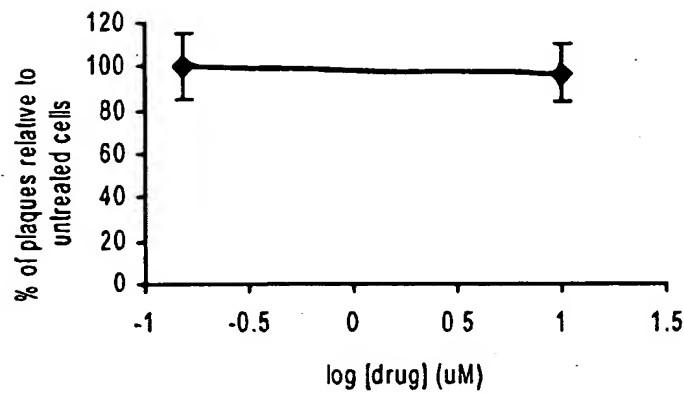


FIG. 8a

REP 2014 vs

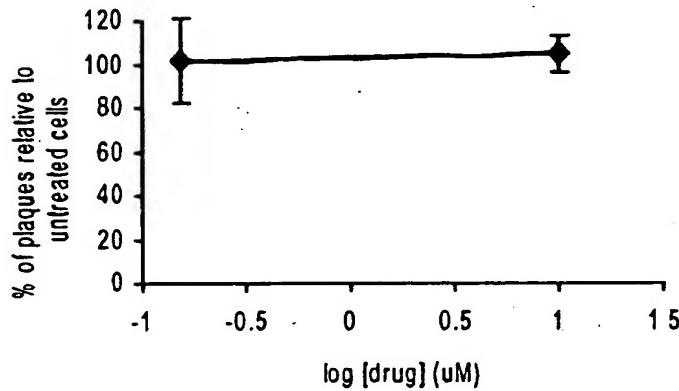


FIG. 8b

REP 2015 vs HSV-1

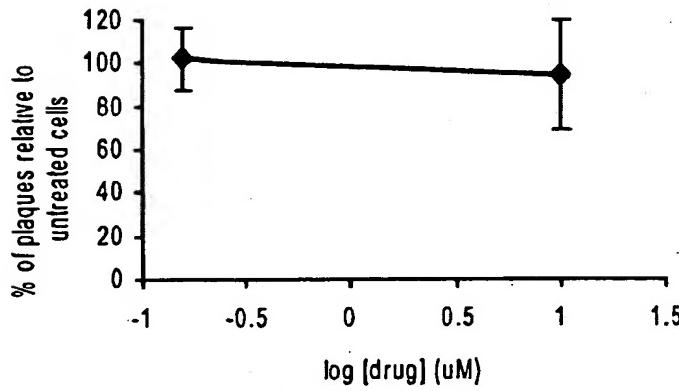


FIG. 8c

Replacement Sheet

REP 2016 vs HSV-1

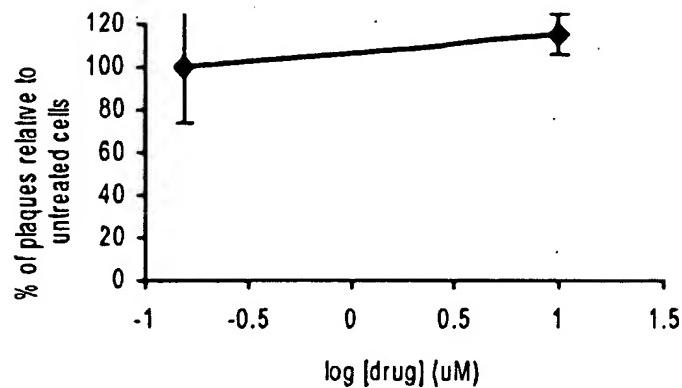


FIG. 8d

REP 2017 vs HSV-1

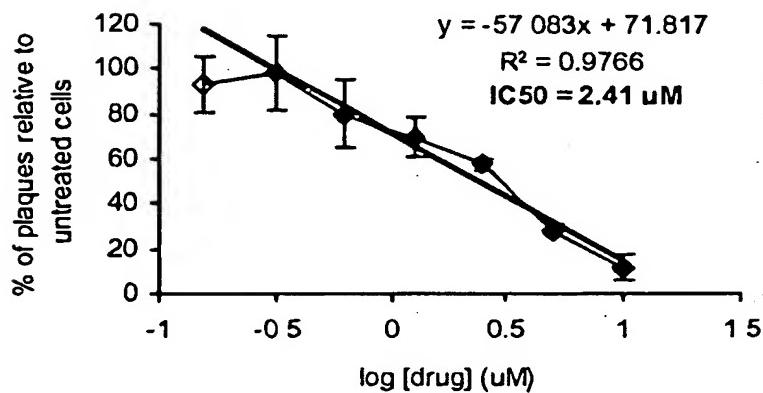


FIG. 8e

REP 2018 vs HSV-1

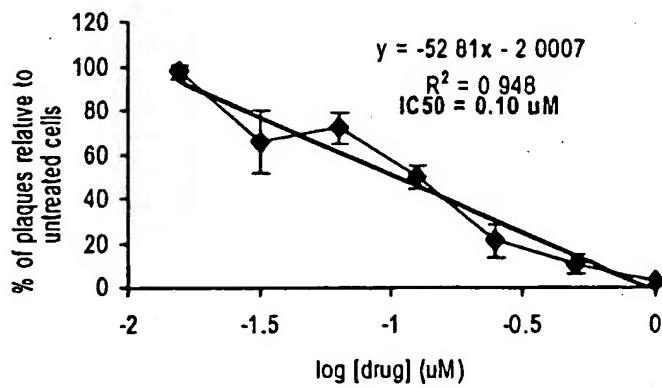


FIG. 8f

Replacement Sheet

REP 2019 vs HSV-1

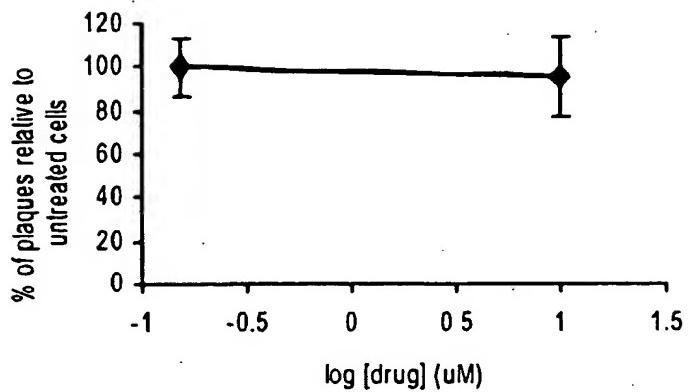


FIG. 8g

REP2020 vs HSV-1

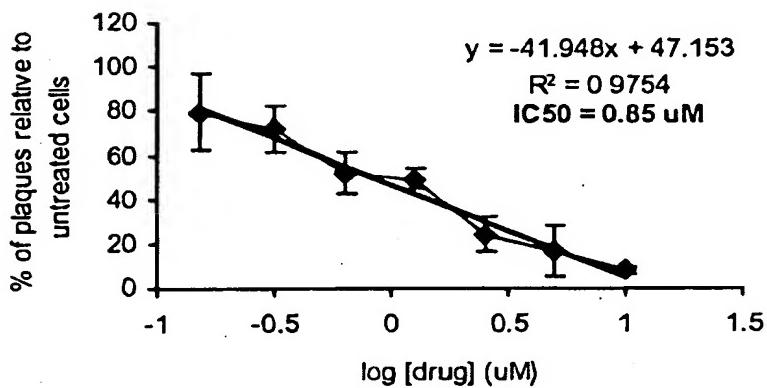


FIG. 8h

REP 2121 vs HSV-1

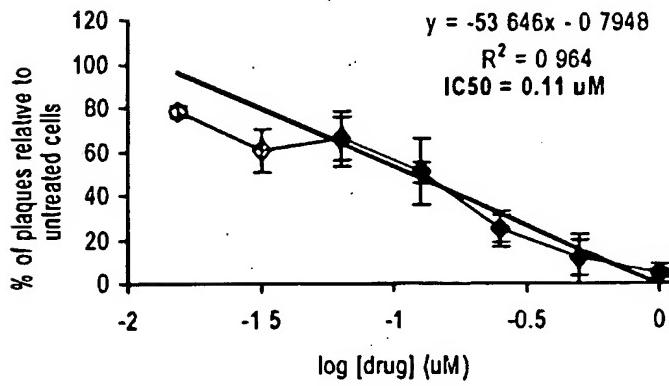


FIG. 8i

Replacement Sheet

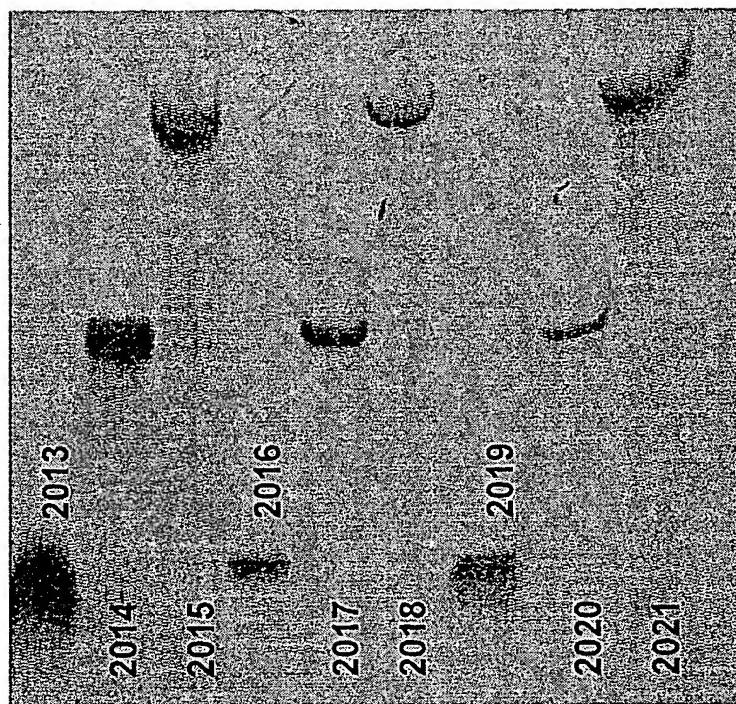


FIG. 9

Replacement Sheet

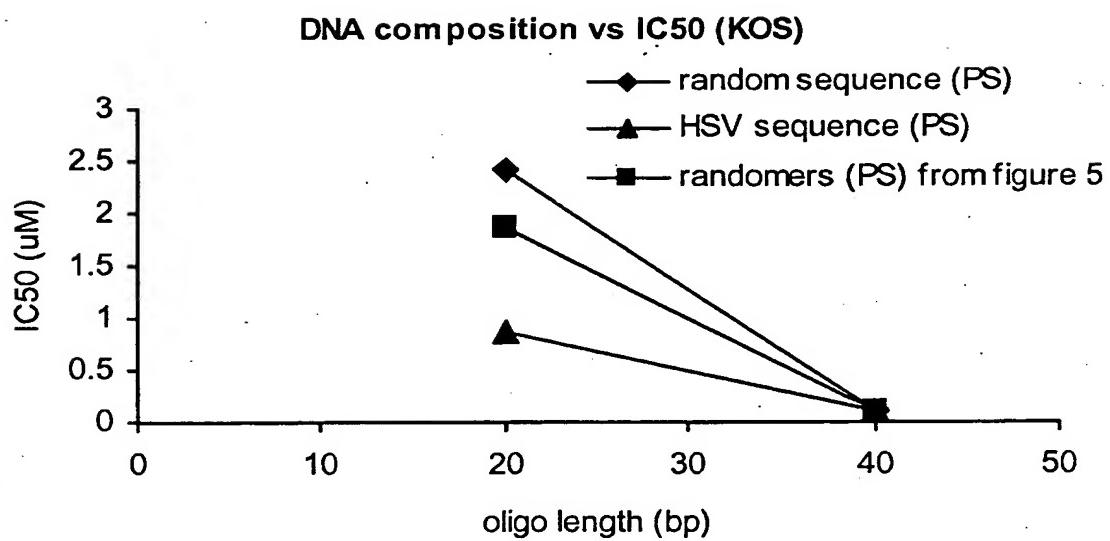


FIG. 10

Replacement Sheet

REP 2024 vs HSV-1

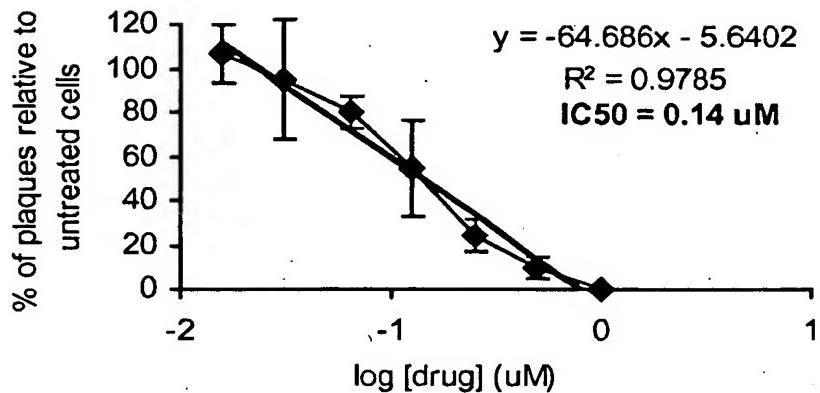


FIG. 11a

REP 2026 vs HSV-1

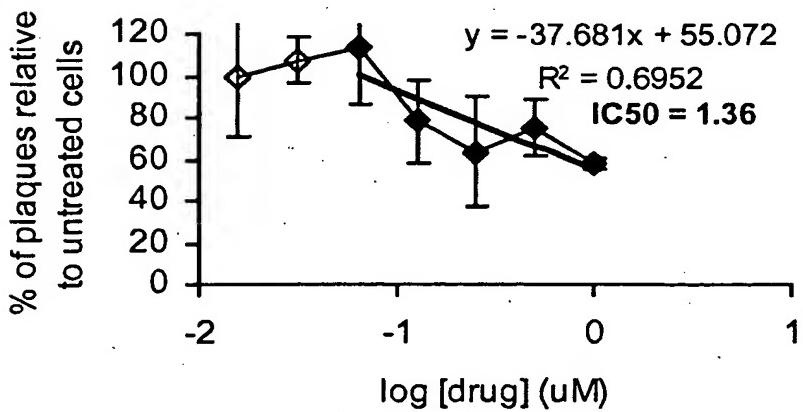


FIG. 11b

Replacement Sheet

REP 2059 vs HSV-1

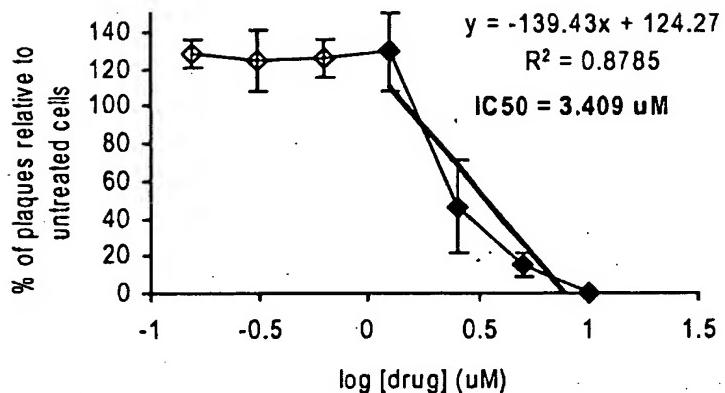


FIG. 11c

REP 2060 vs HSV-1

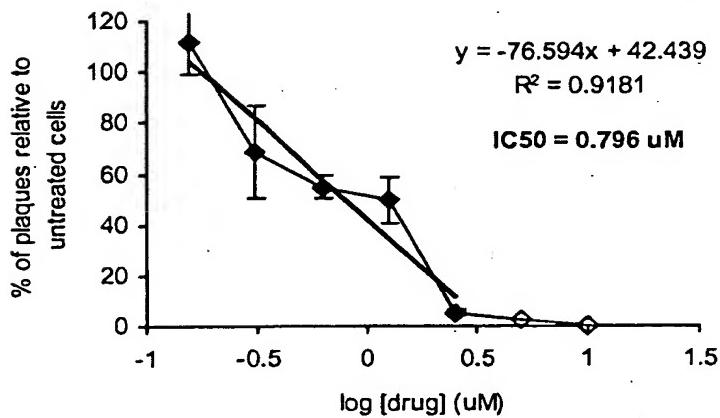


FIG. 11d

Replacement Sheet

REP 1001 vs HSV-2

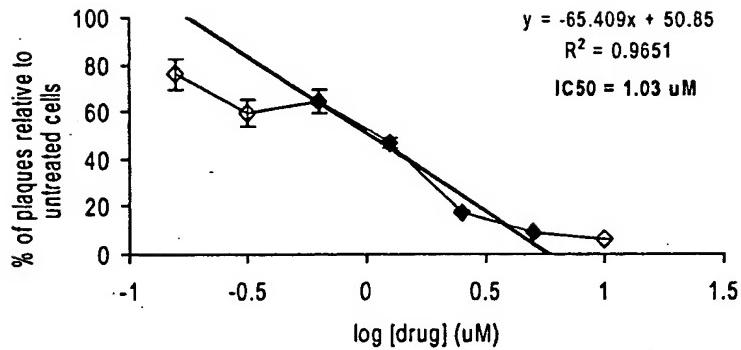


FIG. 12a

REP2001 vs HSV-2

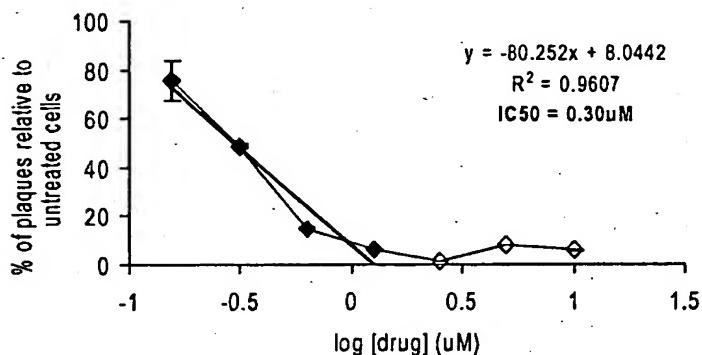


FIG. 12b

REP3007 vs HSV-2

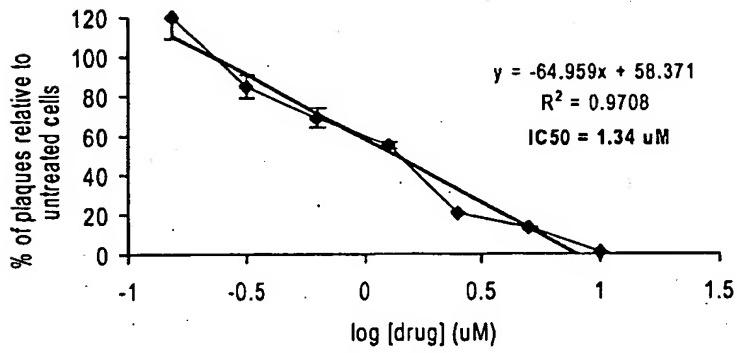


FIG. 12c

Replacement Sheet

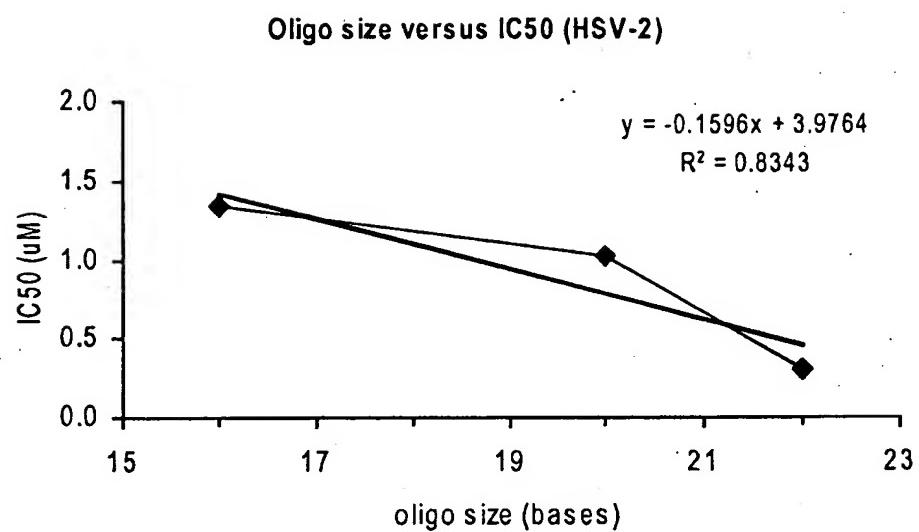


FIG. 13

Replacement Sheet

FIG. 14a

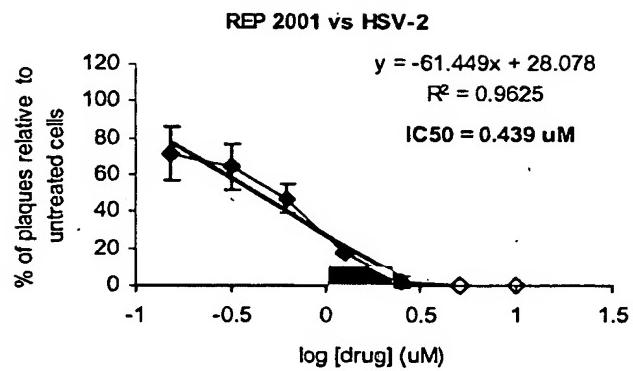


FIG. 14b

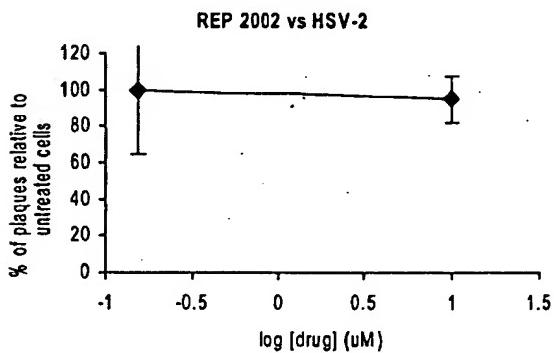


FIG. 14c

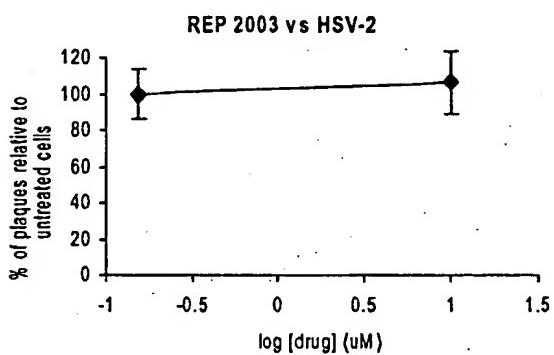
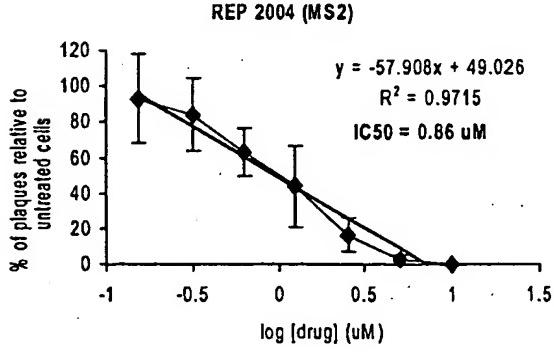


FIG. 14d



Replacement Sheet

FIG. 14e

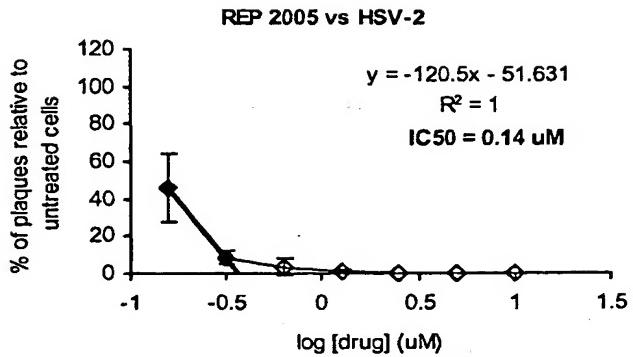


FIG. 14f

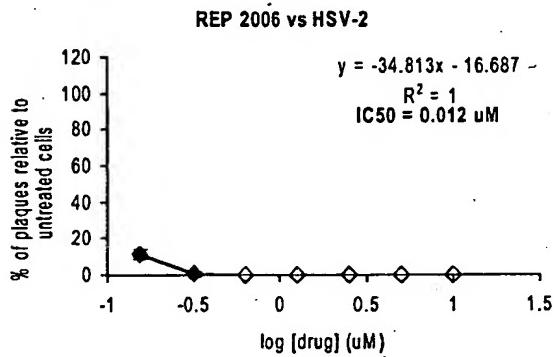
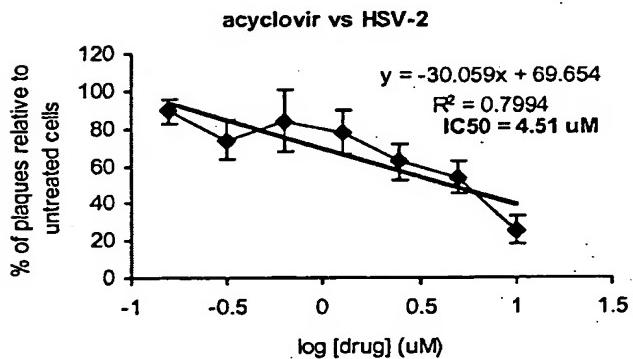


FIG. 14g



Replacement Sheet

Oligo size versus IC50 (HSV-2)

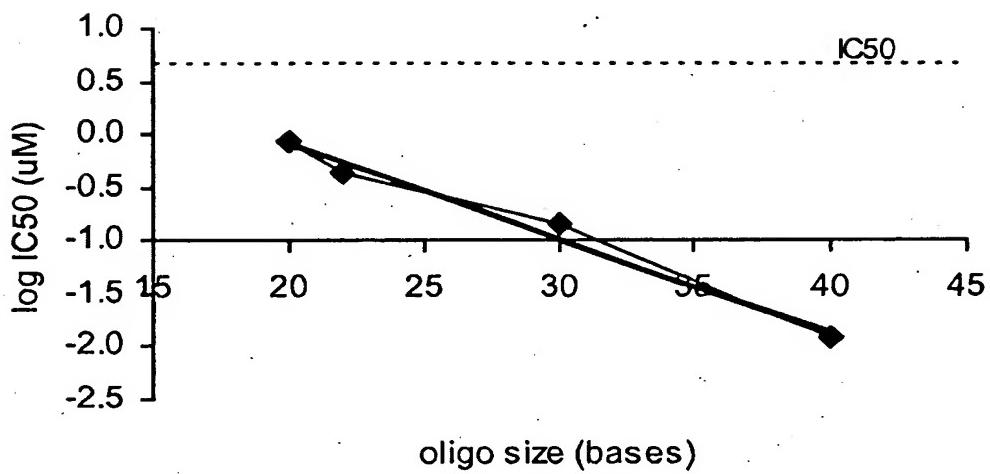


FIG. 15

Replacement Sheet

REP 2004 vs CMV

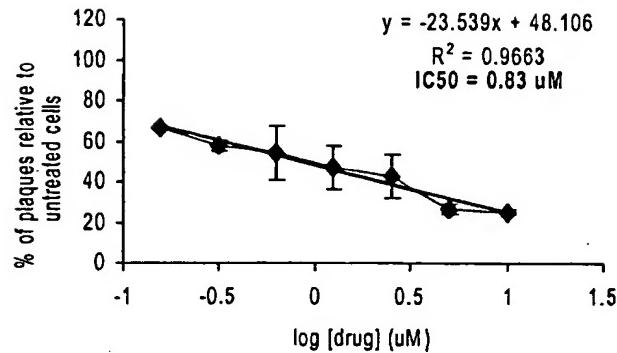


FIG. 16a

REP 2006 vs CMV

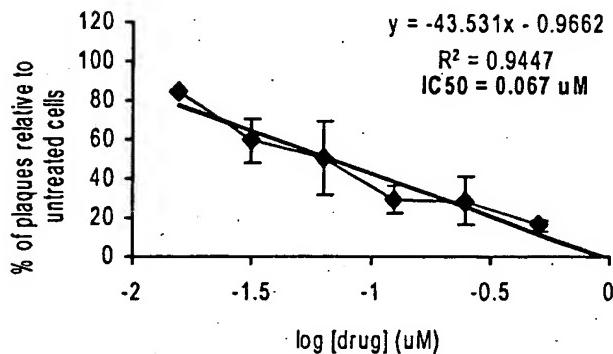


FIG. 16b

Oligo size vs IC50 (CMV)

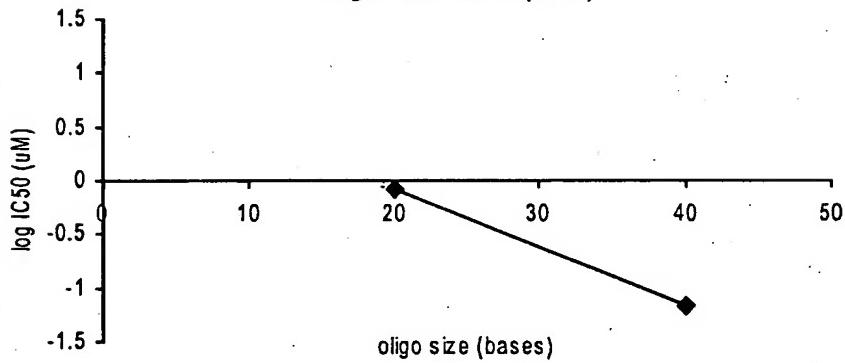


FIG. 16c

Replacement Sheet

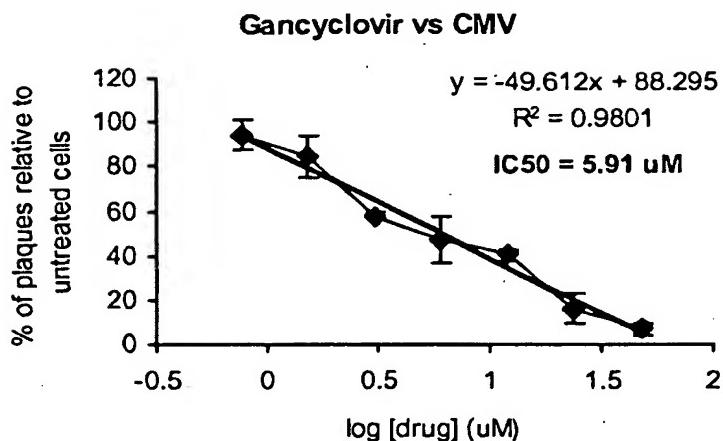


FIG. 17a

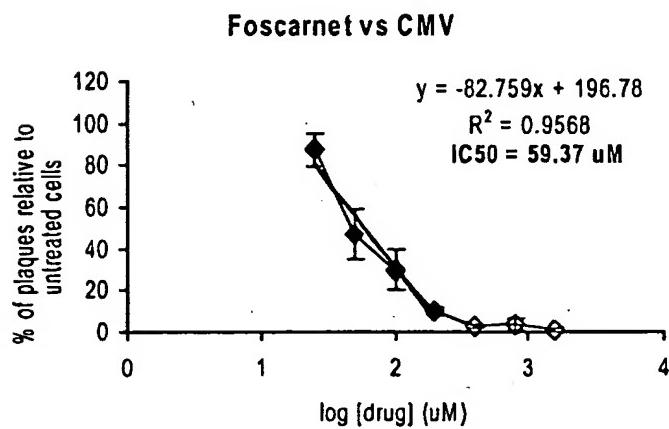


FIG. 17b

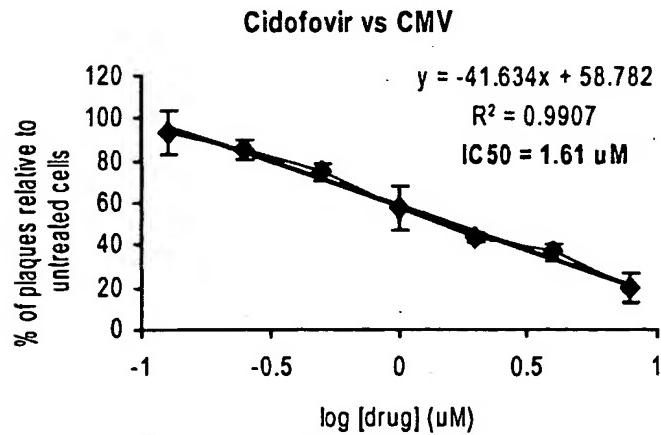


FIG. 17c

Replacement Sheet

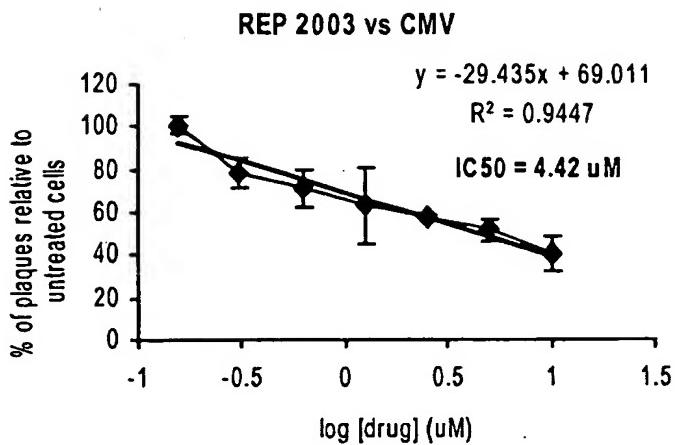


FIG. 17d

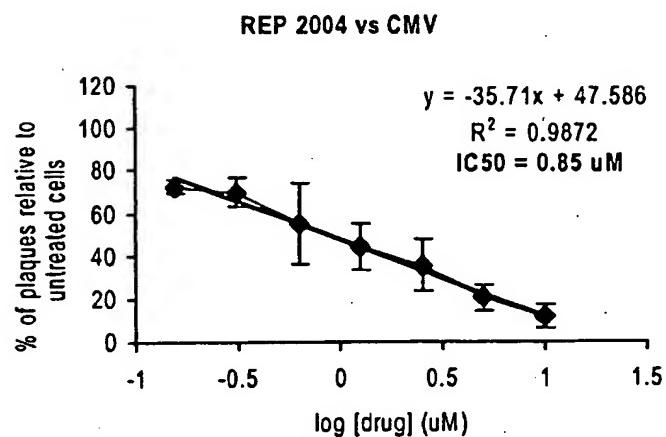


FIG. 17e

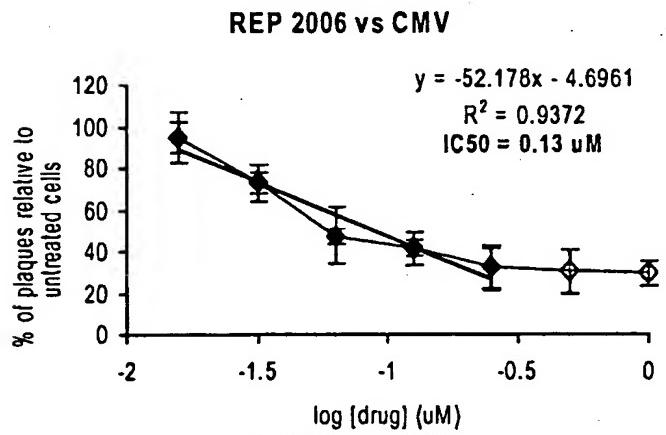


FIG. 17f

Replacement Sheet

REP 2007 vs CMV

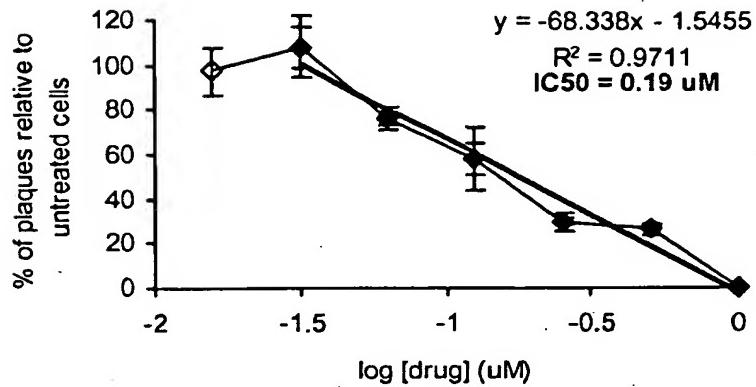


FIG. 17g

REP 2036 (Vitravene) vs CMV

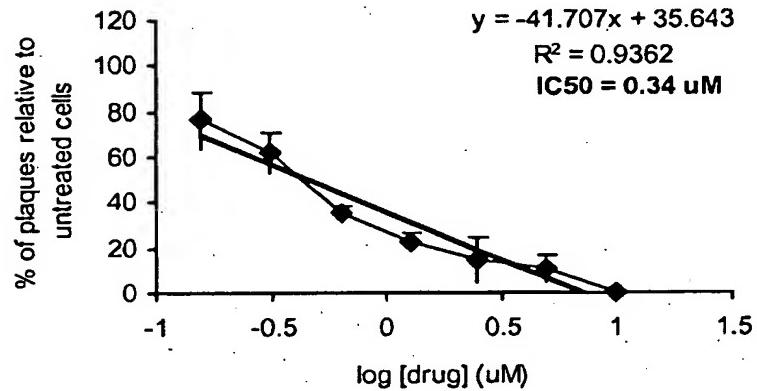


FIG. 17h

REP 2036 (commercial Vitravene) vs CMV

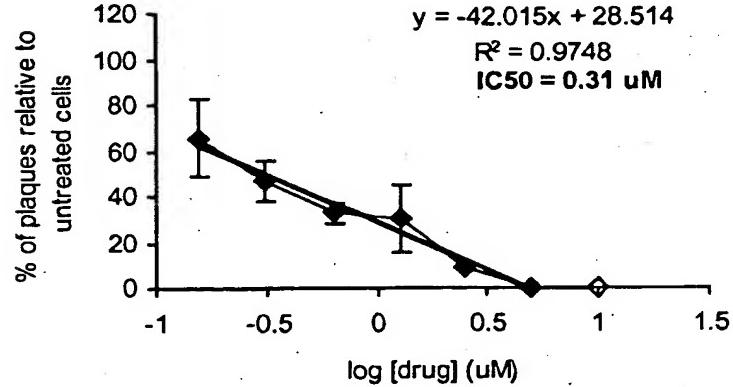


FIG. 17i

Replacement Sheet

Oligo size vs IC50 (CMV)

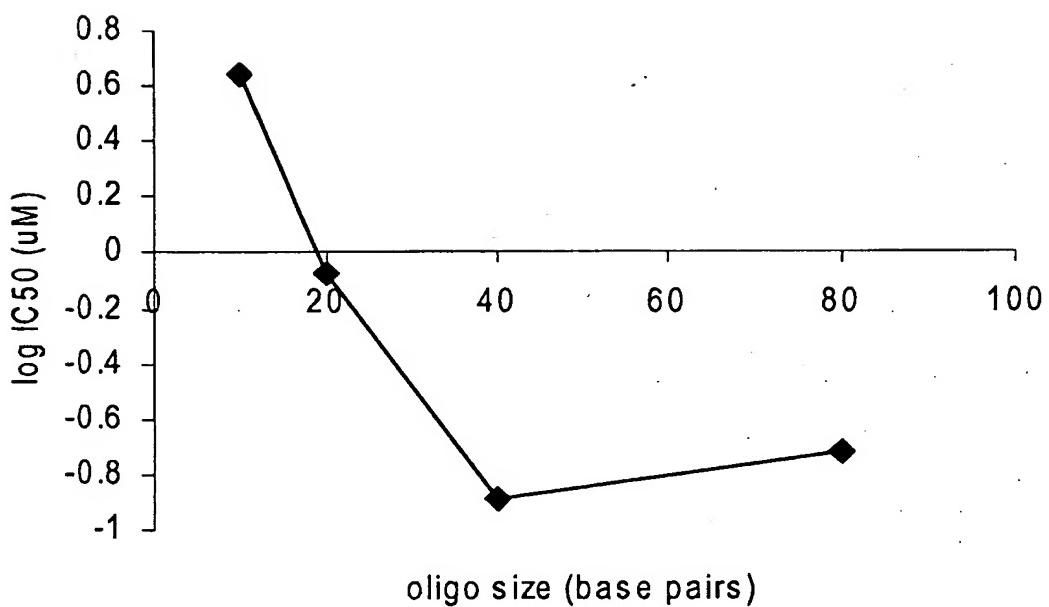


FIG. 18

Replacement Sheet

REP 2004 vs HIV

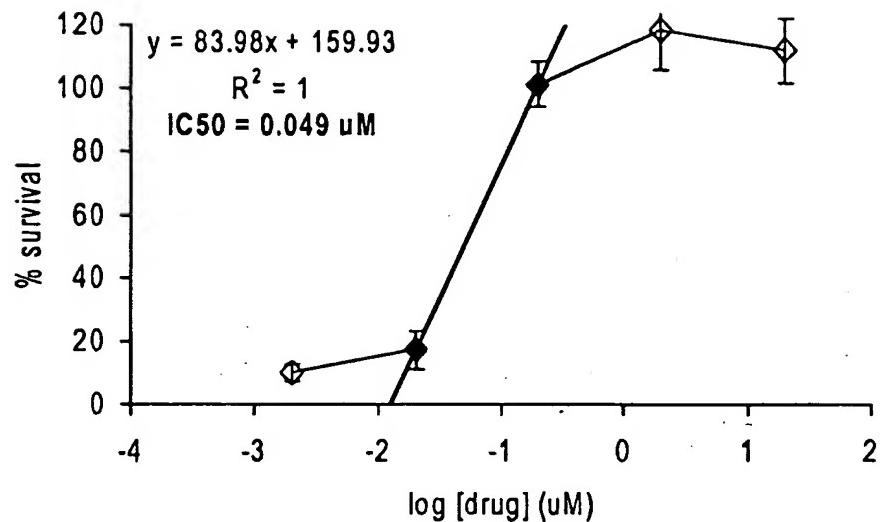


FIG. 19a

REP 2006 vs HIV

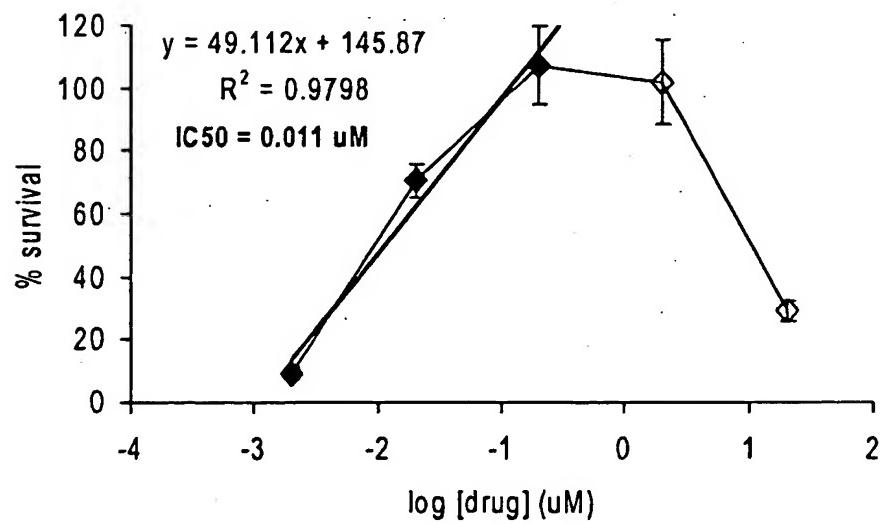


FIG. 19b

Replacement Sheet

REP 2004 vs MT4 lymphocytes

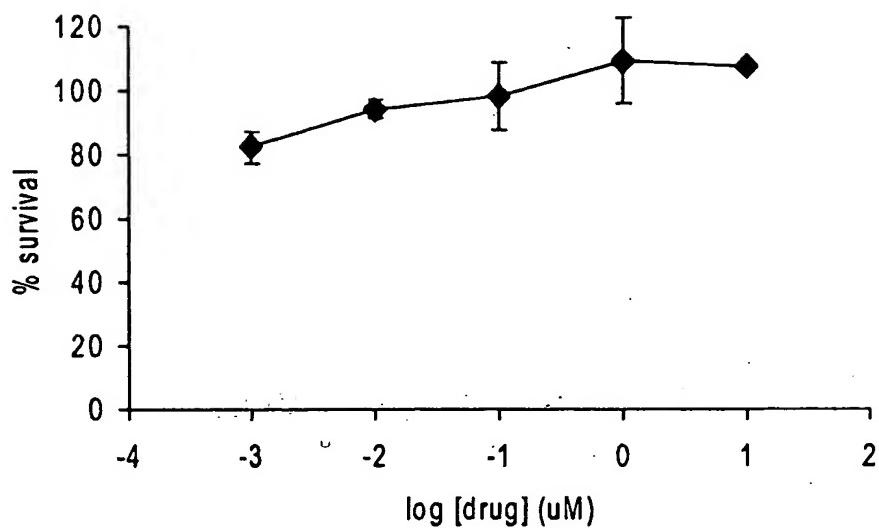


FIG. 19c

REP 2006 vs MT4 lymphocytes

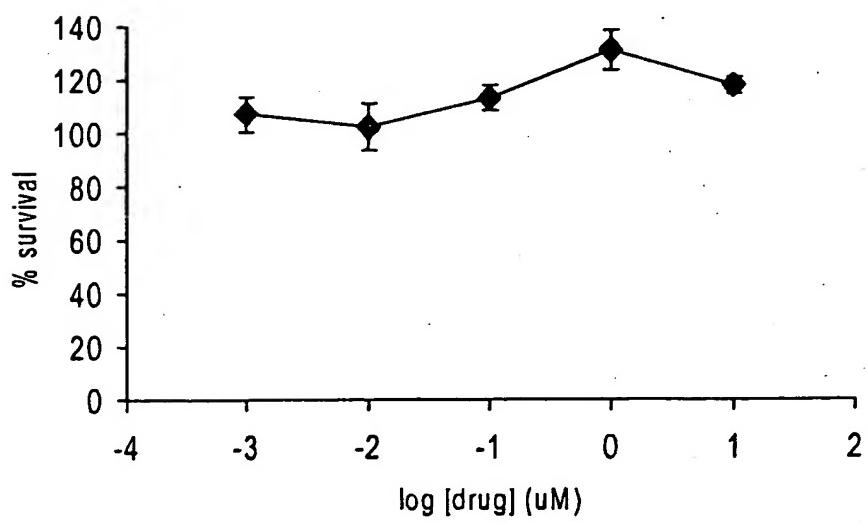


FIG. 19d

Replacement Sheet

Oligo size vs IC50 (HIV)

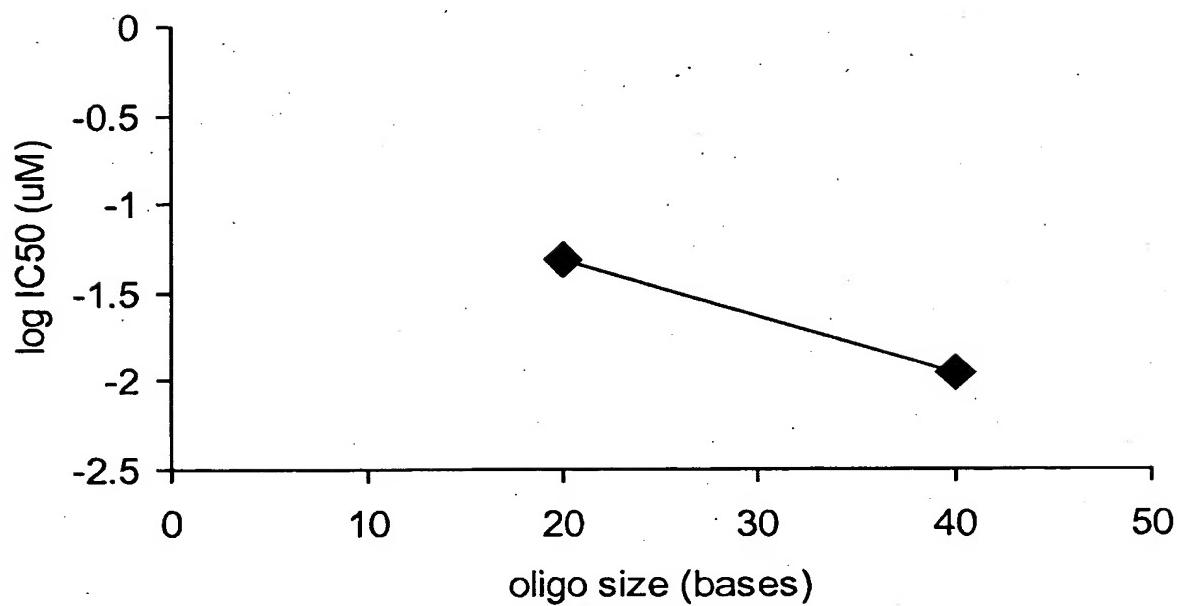


FIG. 20

Replacement Sheet

Amprenavir (AgeneraseTM)

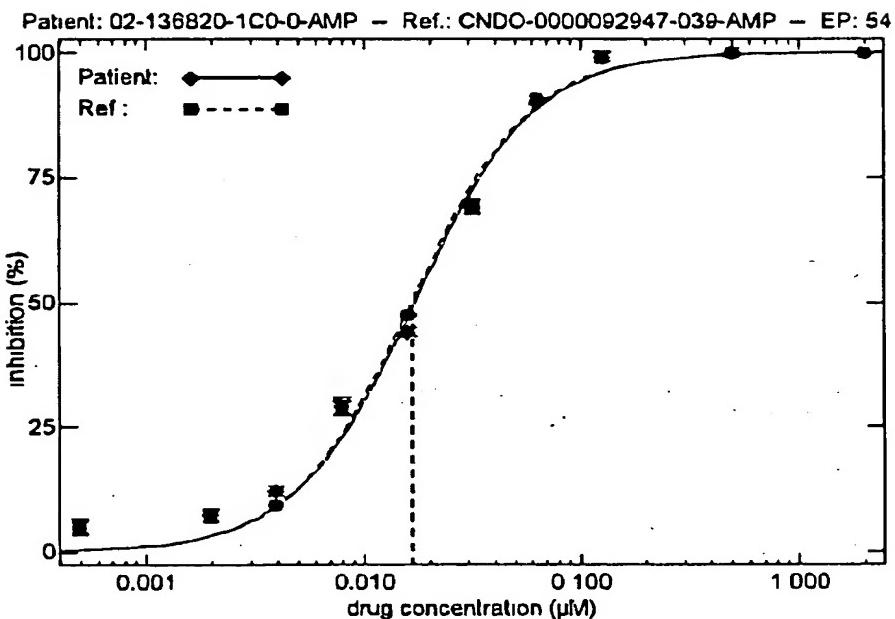


FIG. 21a

Indinavir (CrixivanTM)

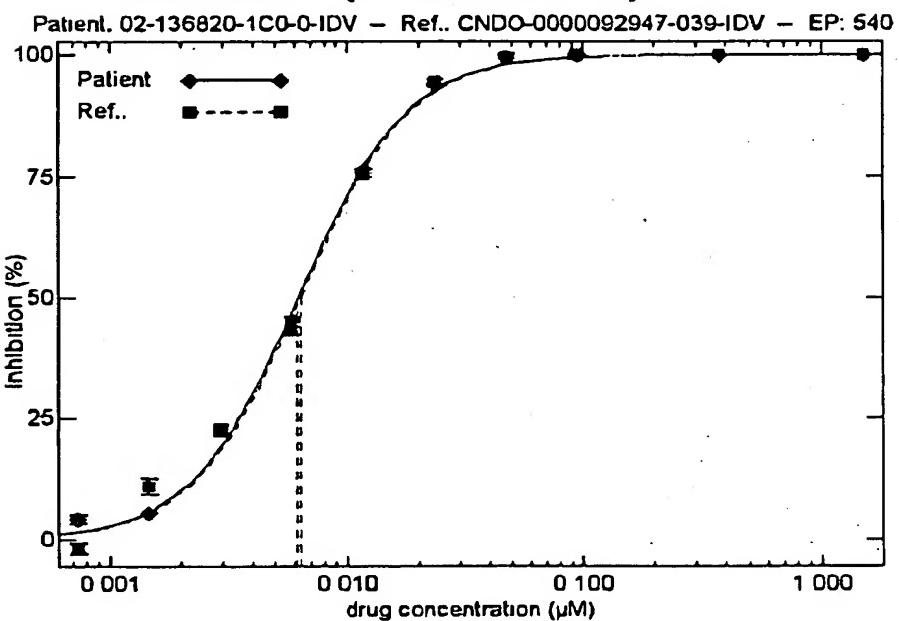


FIG. 21b

Replacement Sheet

Lopinavir (Kaletra™)

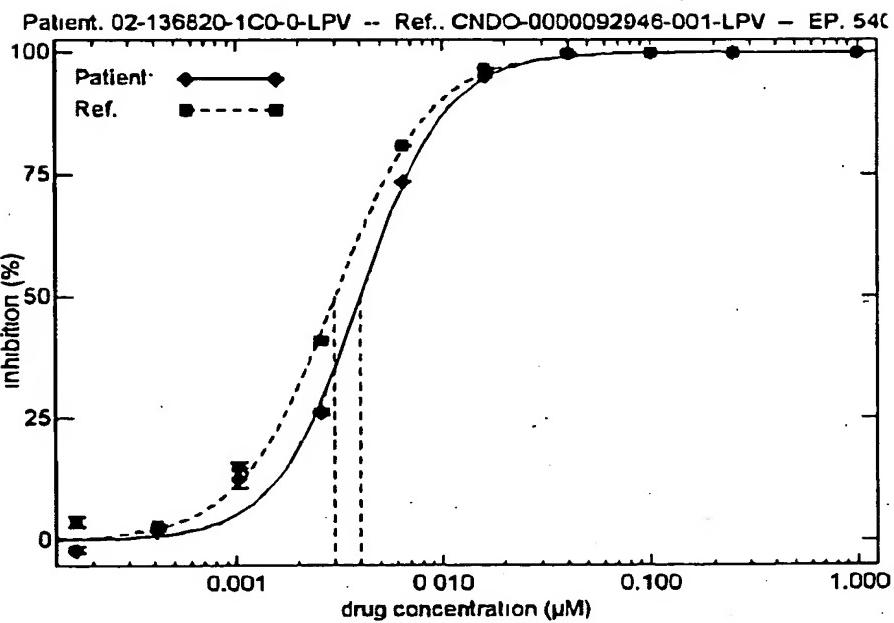


FIG. 21c

Saquinavir (Fortovase™)

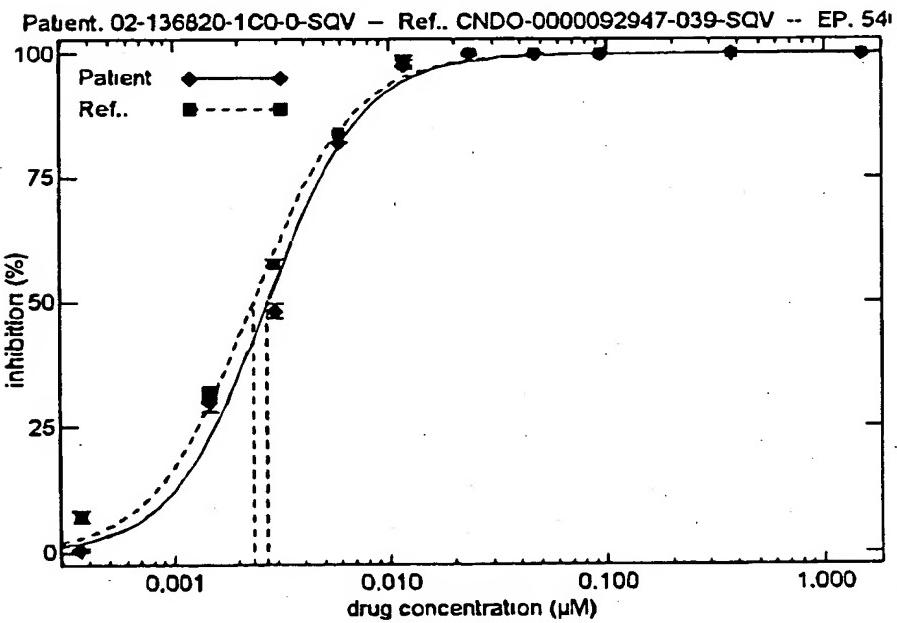


FIG. 21d

Replacement Sheet

REP 2003

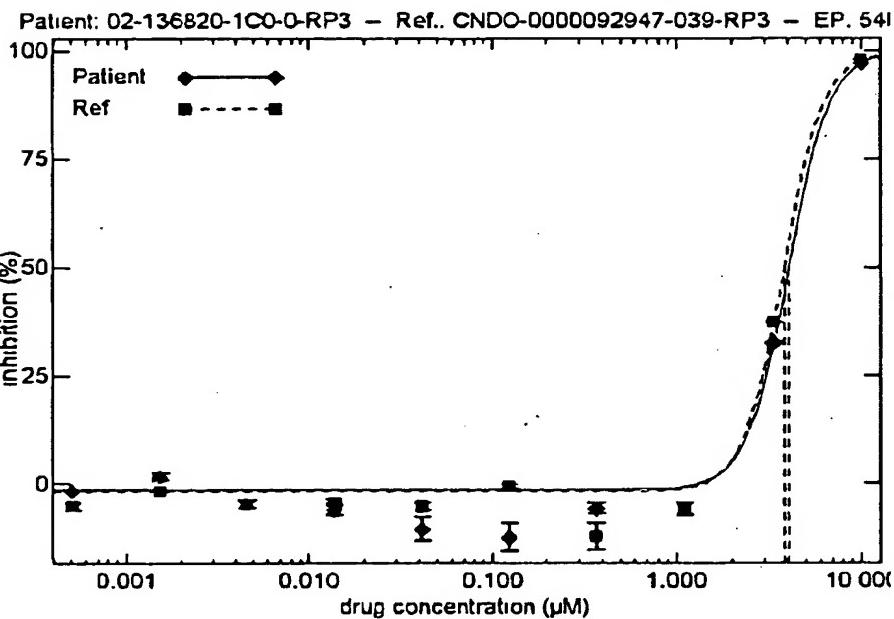


FIG. 21e

REP 2004

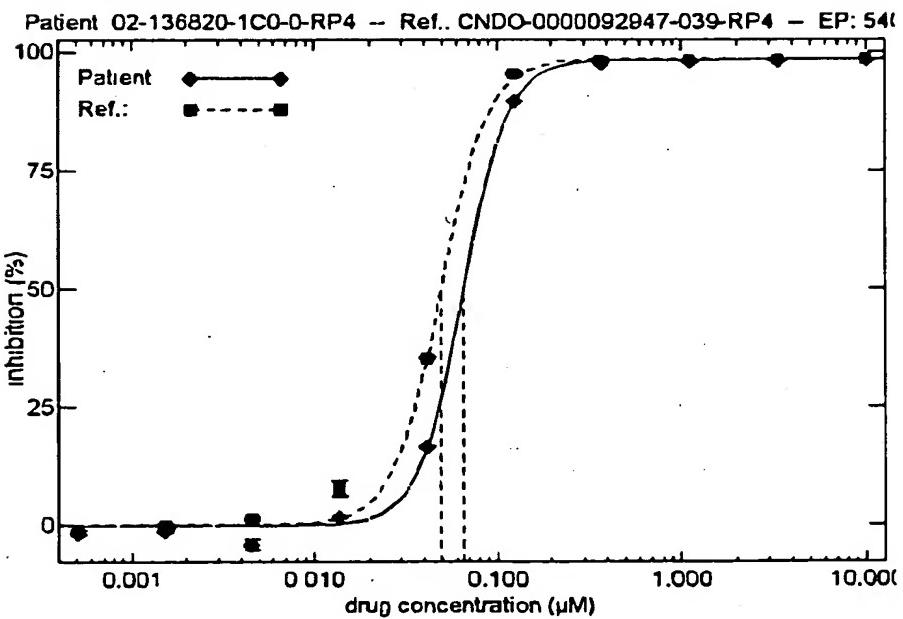


FIG. 21f

Replacement Sheet

REP 2006

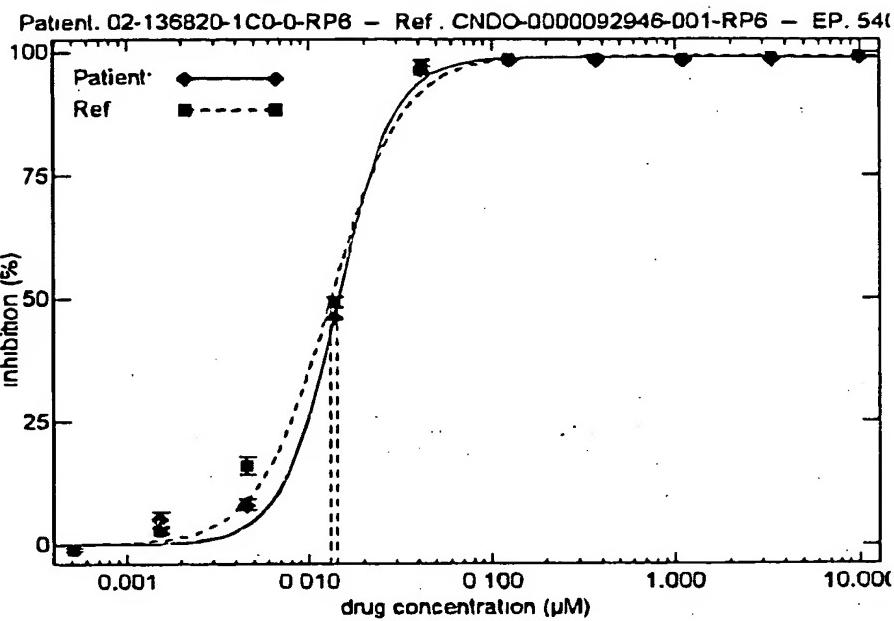


FIG. 21g

REP 2007

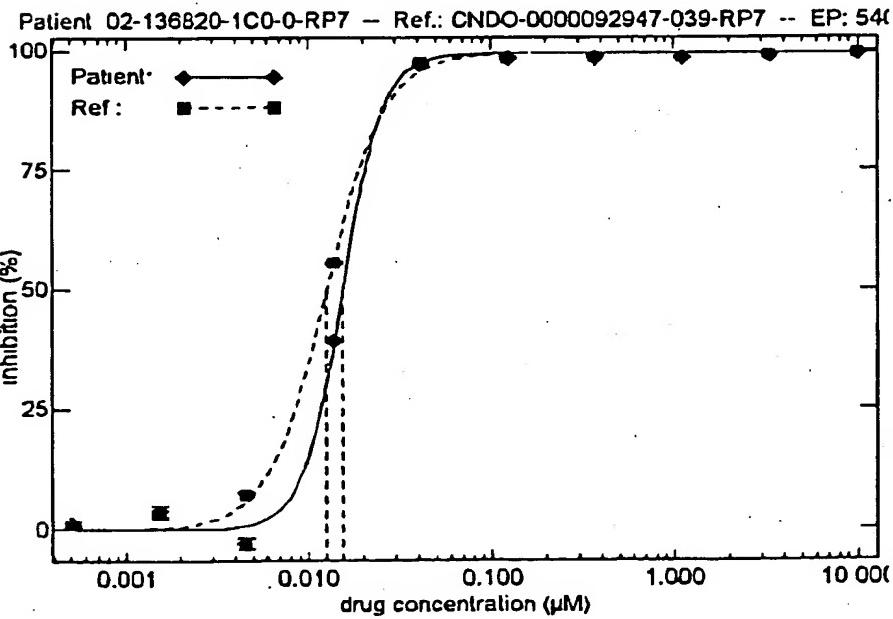


FIG. 21h

Replacement Sheet

Drug	IC50 (μM)
REP 2003	4.01
REP 2004	0.065
REP 2006	0.014
REP 2007	0.015
Amprenavir	0.016
Indinavir	0.006
Lopinavir	0.004
Saquinavir	0.003

FIG. 22a

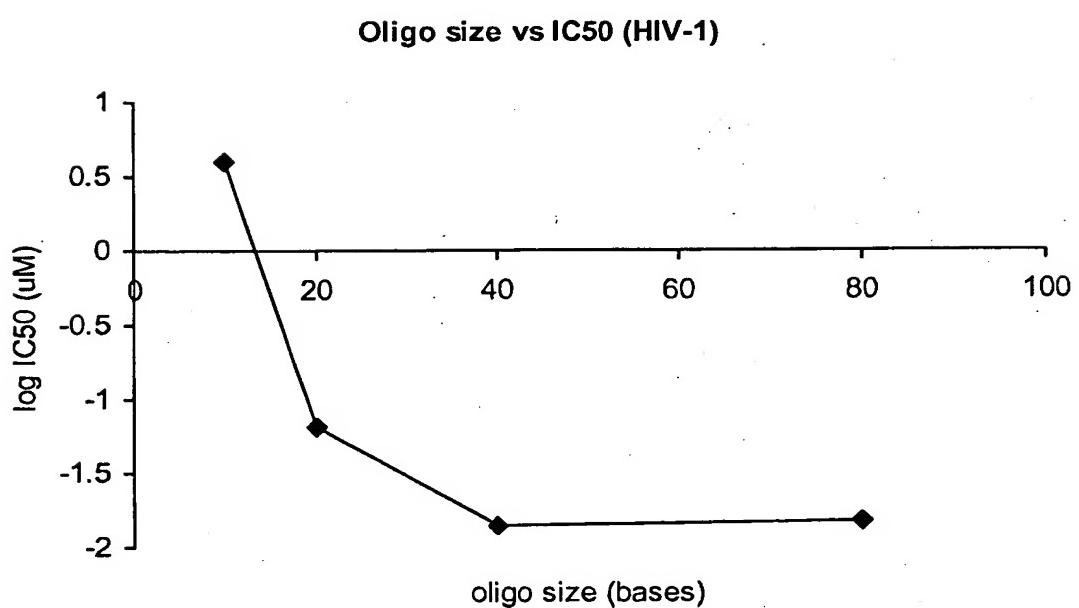


FIG. 22b

Replacement Sheet

Amprenavir (AgeneraseTM)

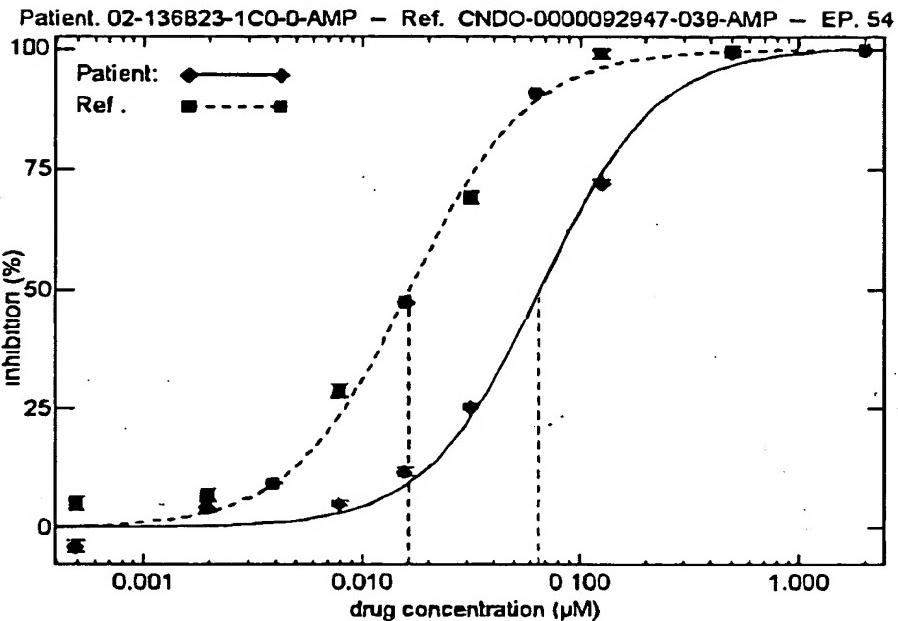


FIG. 23a

Indinavir (CrixivanTM)

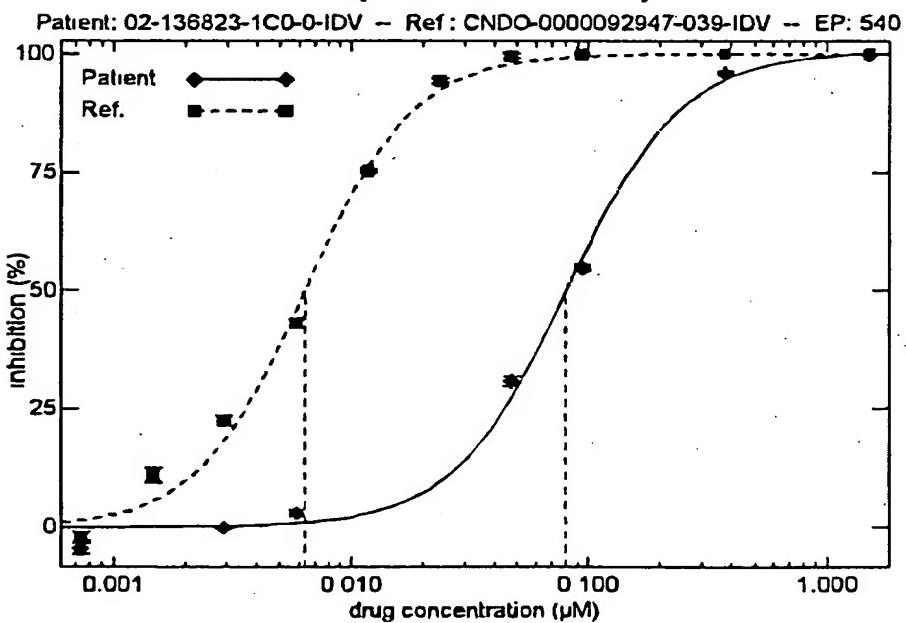


FIG. 23b

Replacement Sheet

Lopinavir (Kaletra™)

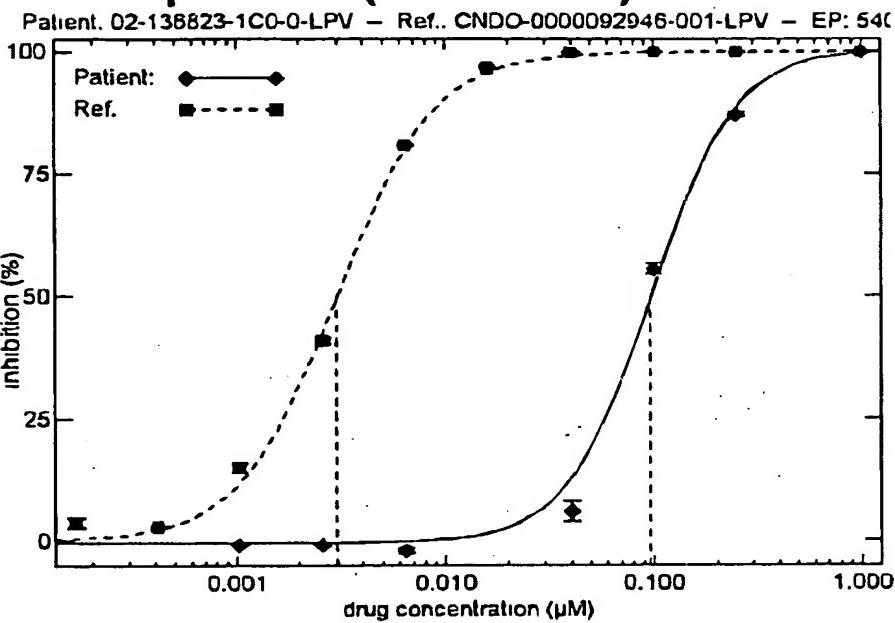


FIG. 23c

Saquinavir (Fortovase™)

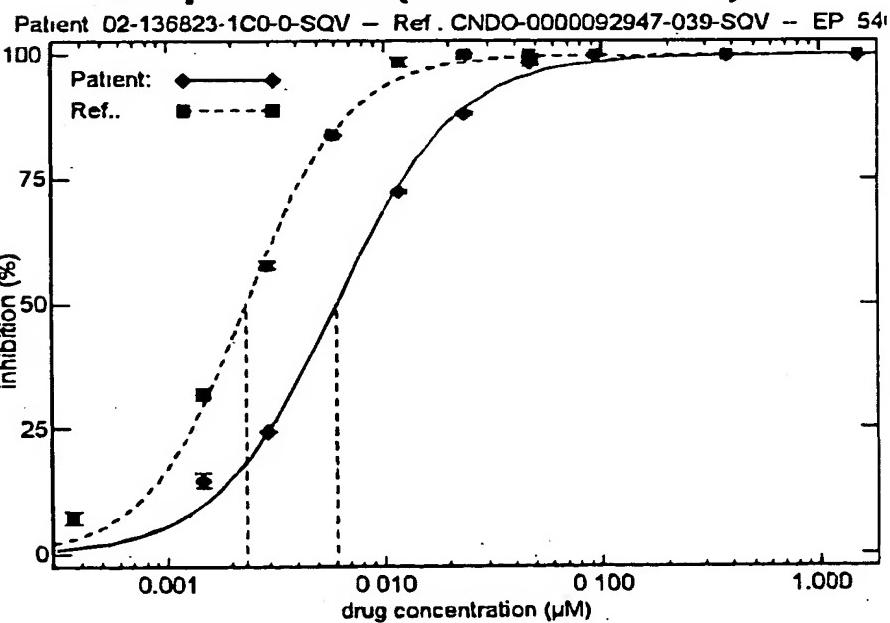


FIG. 23d

Replacement Sheet

REP 2003

Patient 02-136823-1C0-0-RP3 - Ref. CNDO-0000092947-039-RP3 - EP. 541

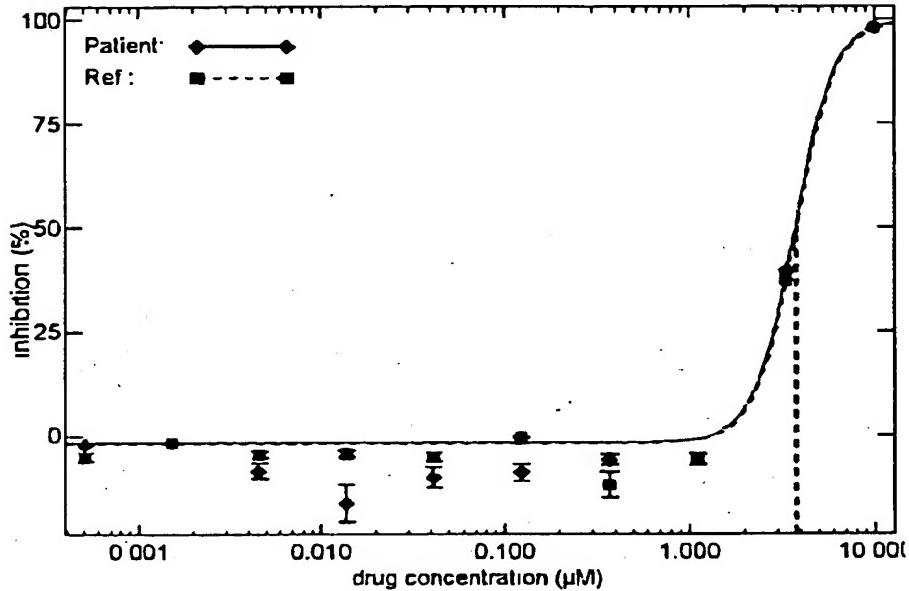


FIG. 23e

REP 2004

Patient: 02-136823-1C0-0-RP4 - Ref: CNDO-0000092947-039-RP4 - EP: 541

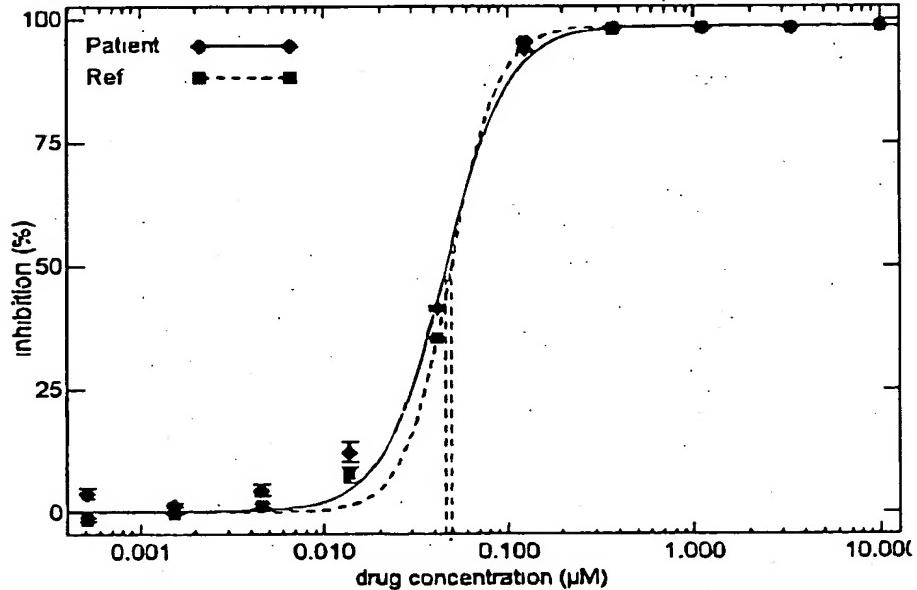


FIG. 23f

Replacement Sheet

REP 2006

Patient: 02-136823-1C0-0-RP6 — Ref.: CNDO-0000092946-001-RP6 — EP: 540

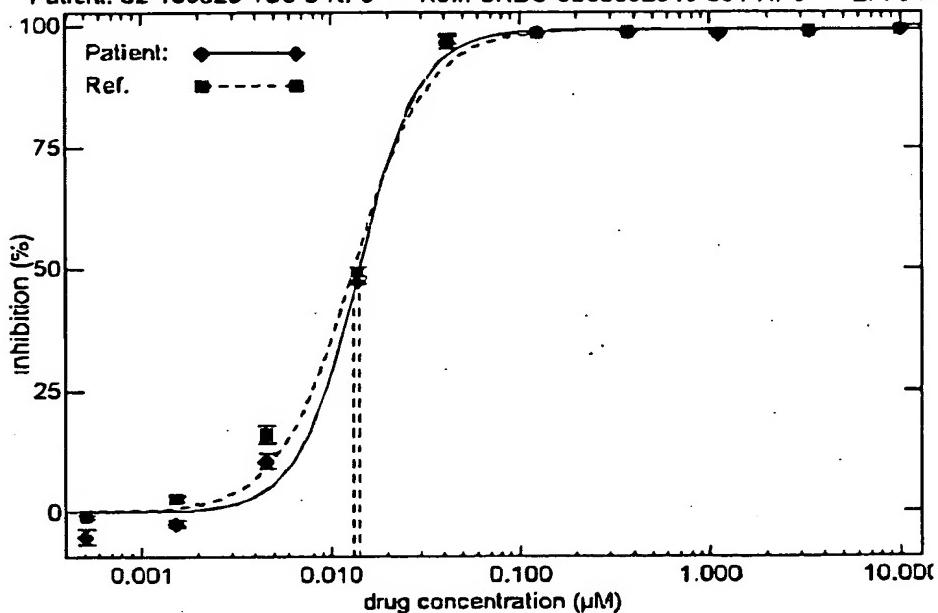


FIG. 23g

REP 2007

Patient 02-136823-1C0-0-RP7 — Ref.: CNDO-0000092947-039-RP7 -- EP: 540

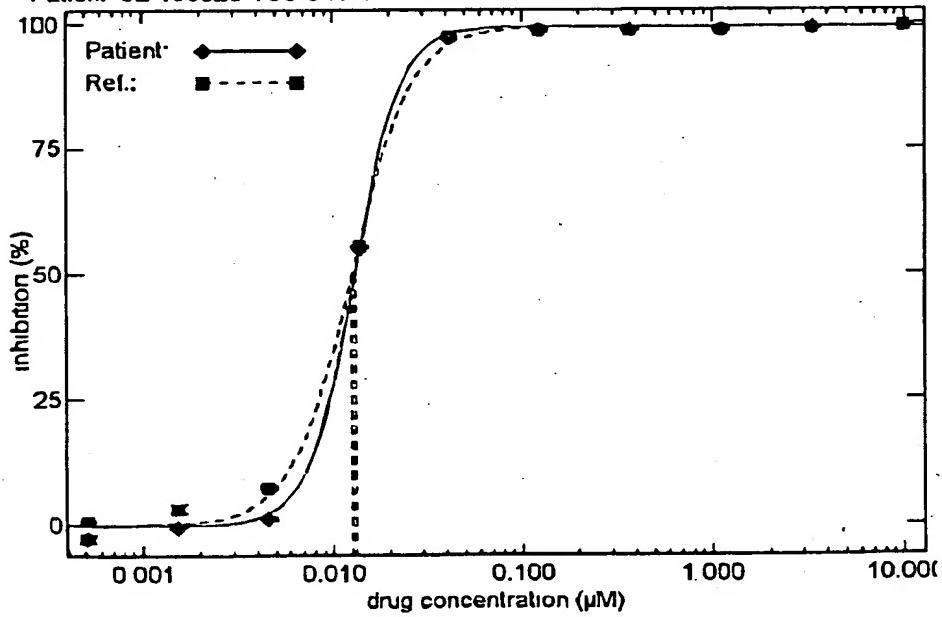


FIG. 23h

Replacement Sheet

Drug	IC50 (uM)		Fold change in IC50
	HIV-1 NL4-3	HIV-1 MRDC4	
REP 2003	4.01	3.69	0.92
REP 2004	0.065	0.046	0.71
REP 2006	0.014	0.014	1.00
REP 2007	0.015	0.013	0.87
Amprenavir	0.017	0.065	3.82
Indinavir	0.006	0.08	13.33
Lopinavir	0.004	0.096	24.00
Saquinavir	0.003	0.006	2.00

FIG. 24

Replacement Sheet

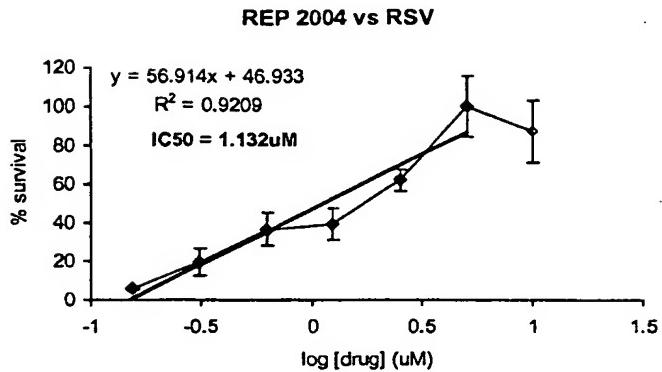


FIG. 25a

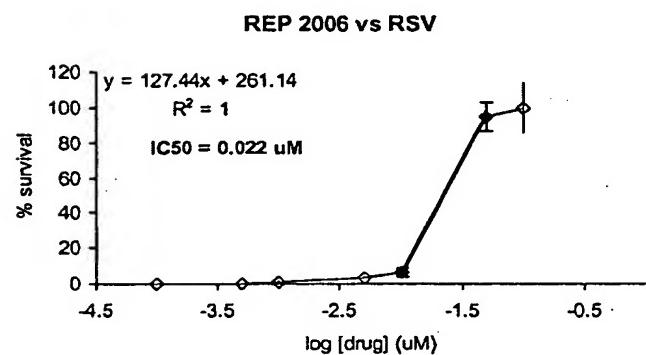


FIG. 25b

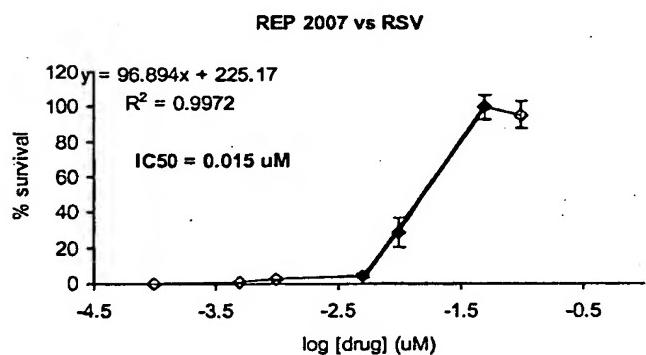


FIG. 25c

Replacement Sheet

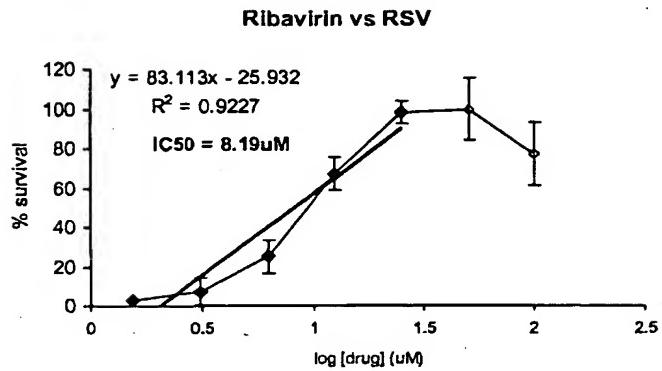


FIG. 25d

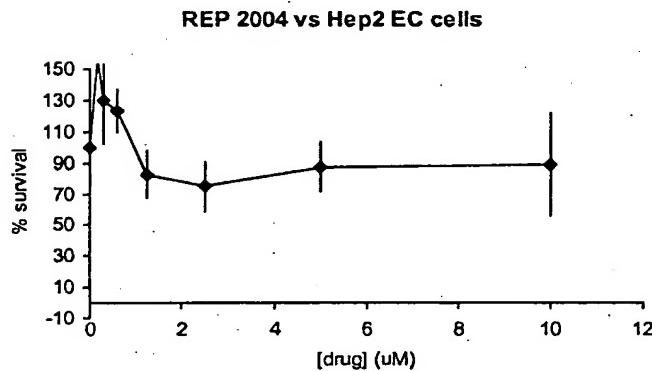


FIG. 25e

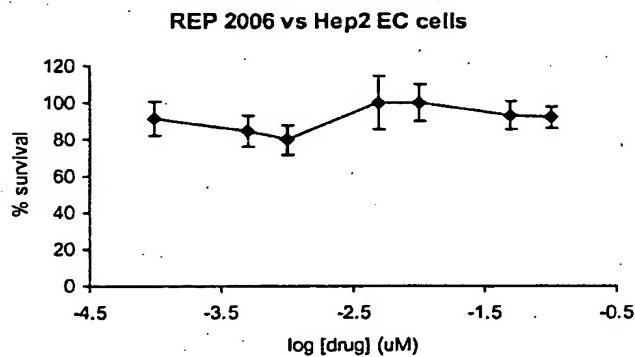


FIG. 25f

Replacement Sheet

REP 2007 vs Hep2 EC cells

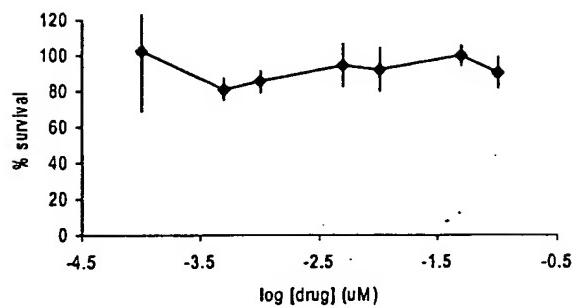


FIG. 25g

Ribavirin vs Hep2 EC cells

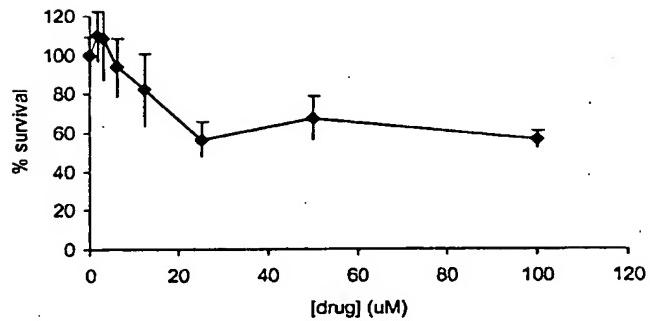


FIG. 25h

Replacement Sheet

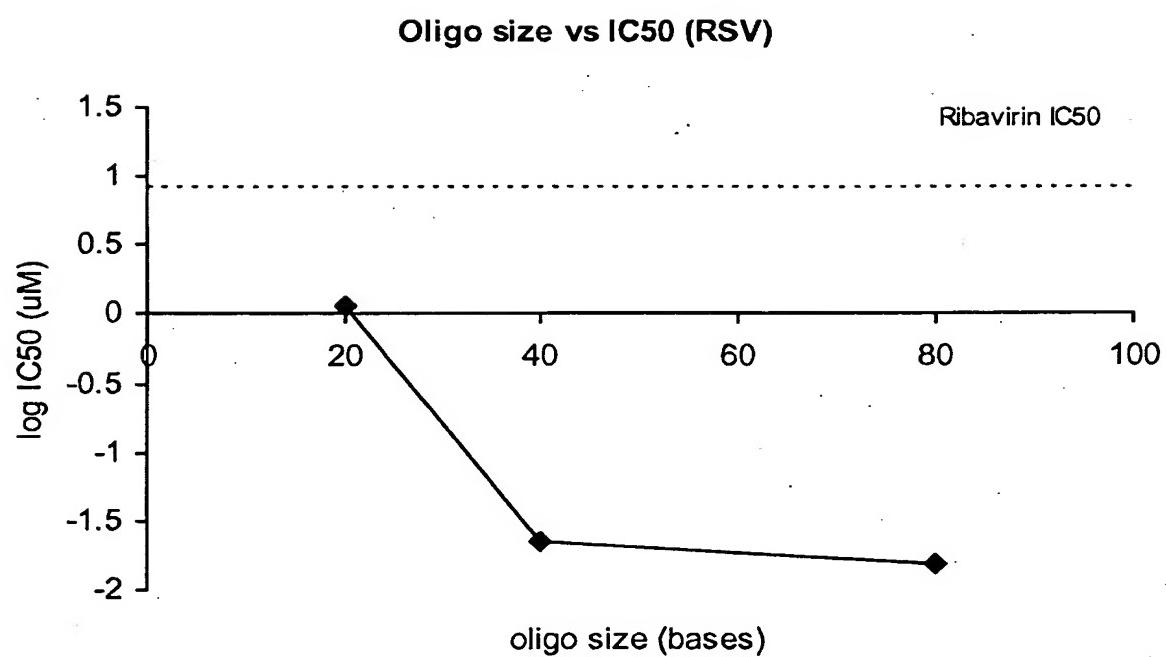


FIG. 26

Replacement Sheet

REP 2006 vs COX B2

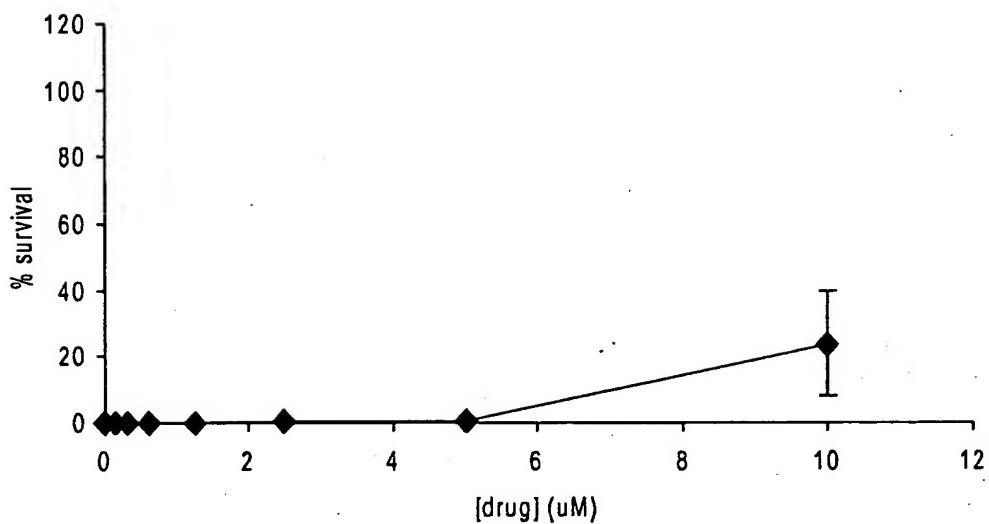


FIG. 27a

REP 2006 vs LLC-MK2 cells

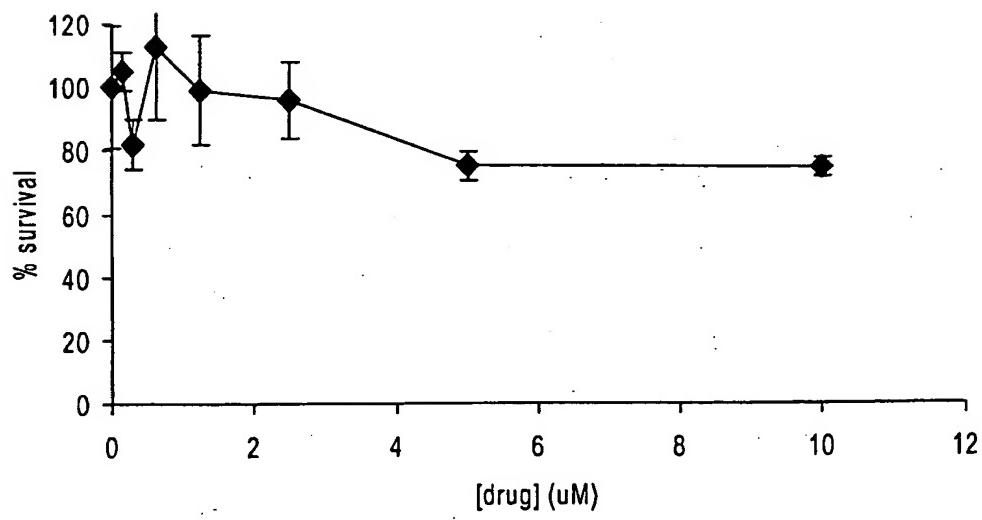


FIG. 27b

Replacement Sheet

**FP Serum Interaction test with PS-ODN randomers of increasing size
baseline (unbound bait): 86mP**

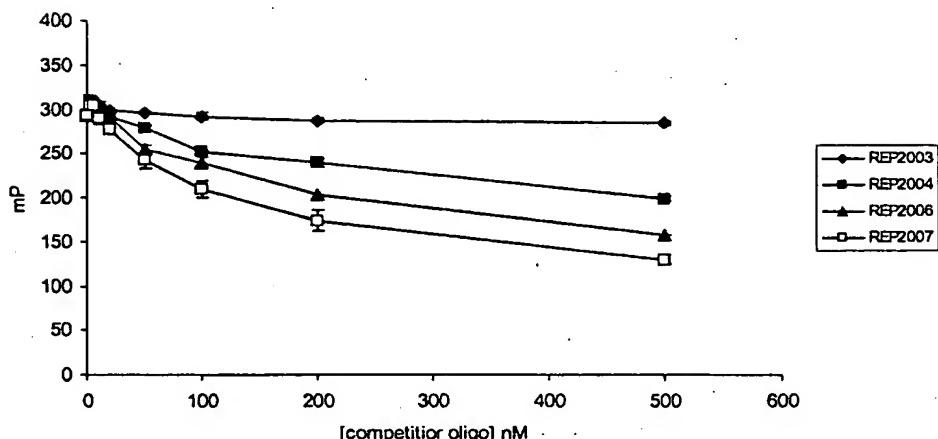


FIG. 28a

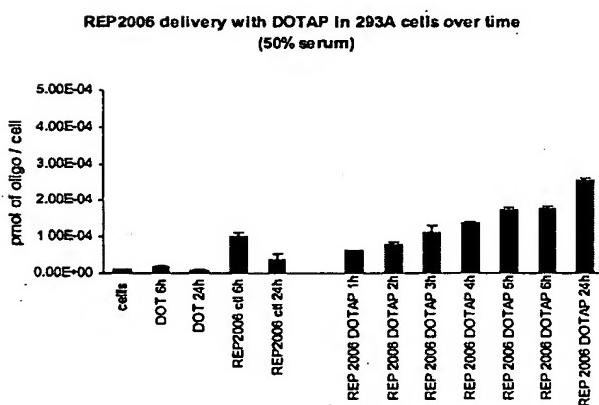


FIG. 28b

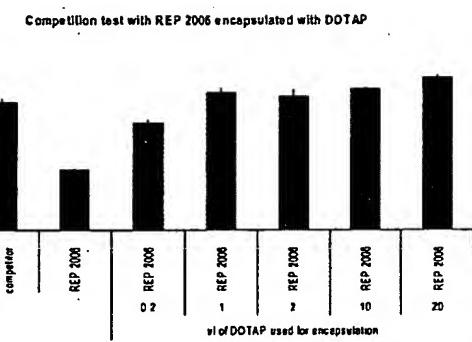


FIG. 28d

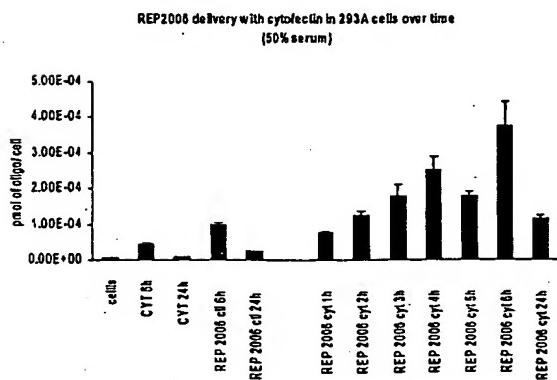


FIG. 28c

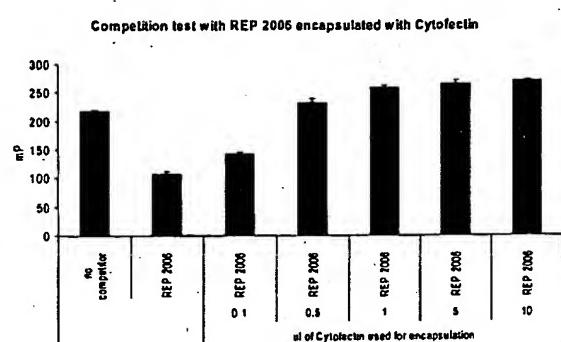


FIG. 28e

Replacement Sheet

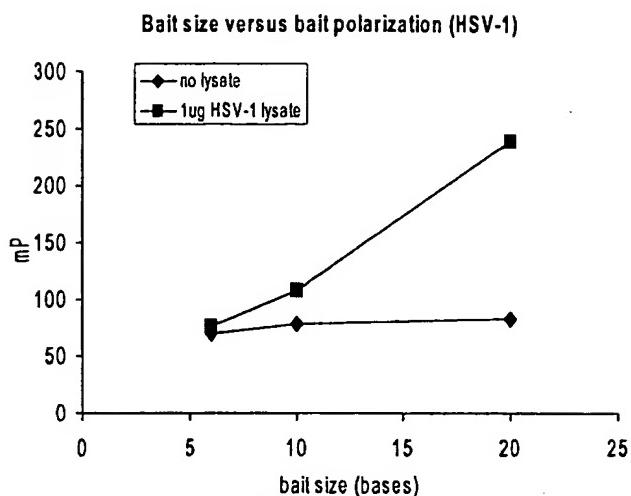


FIG. 29a

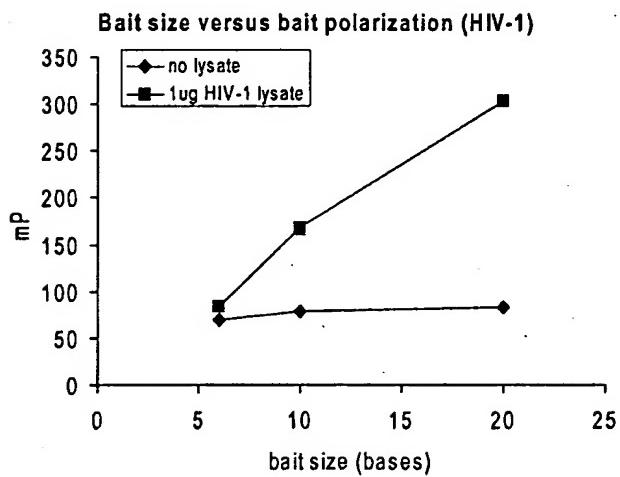


FIG. 29b

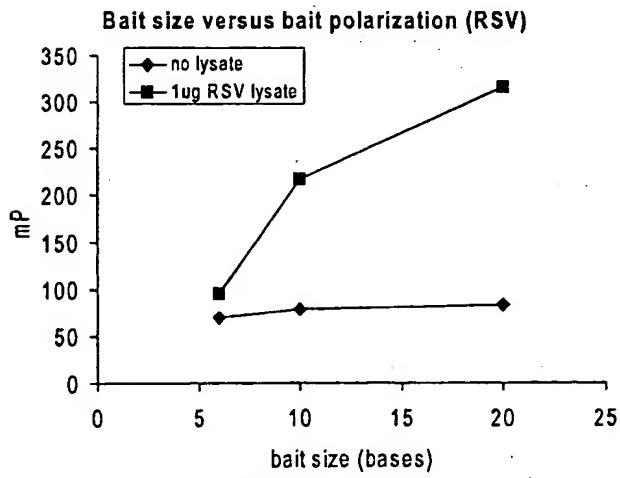


FIG. 29c

Replacement Sheet

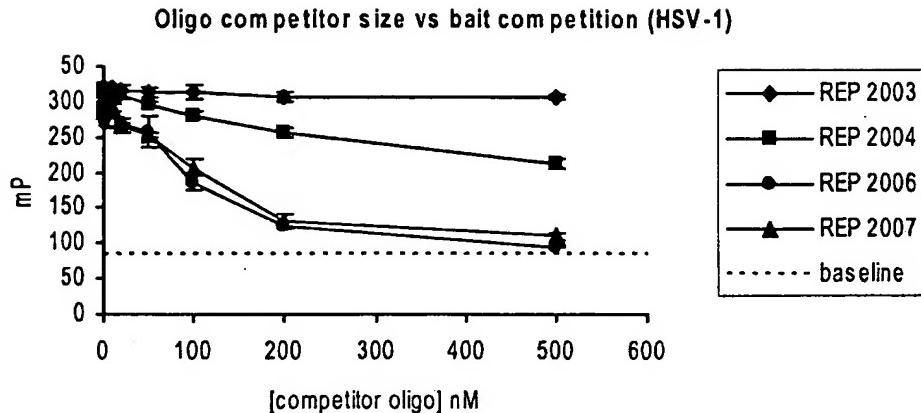


FIG. 30a

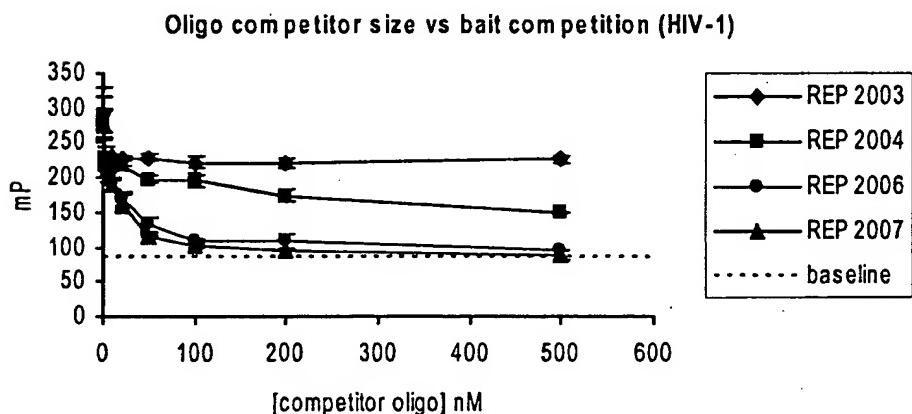


FIG. 30b

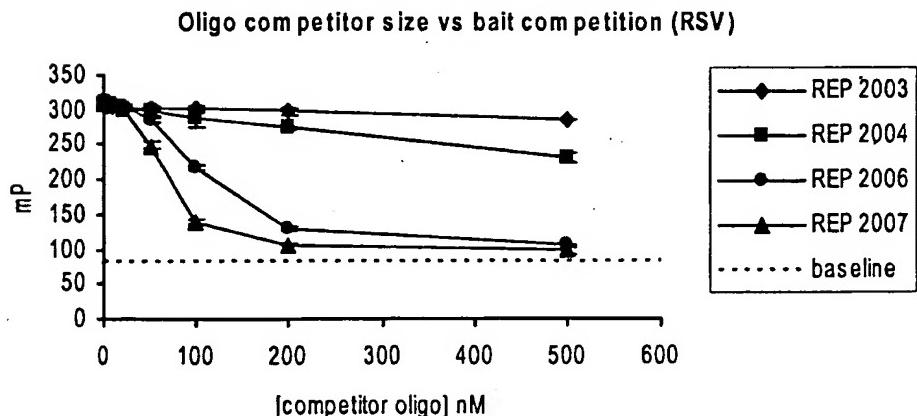


FIG. 30c

Replacement Sheet

p24 and gp41 binding to HIV lysate

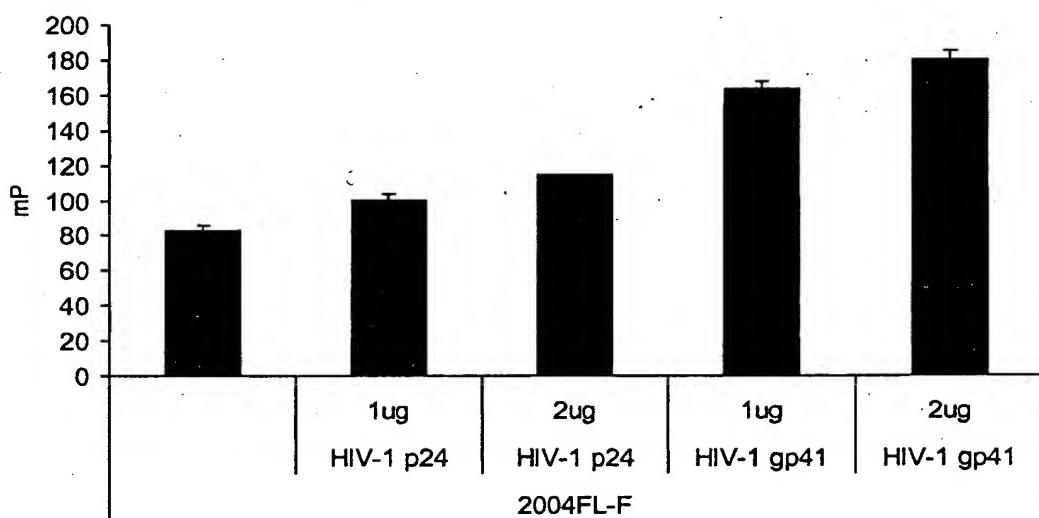


FIG. 31

Replacement Sheet

Bait size vs p24 binding

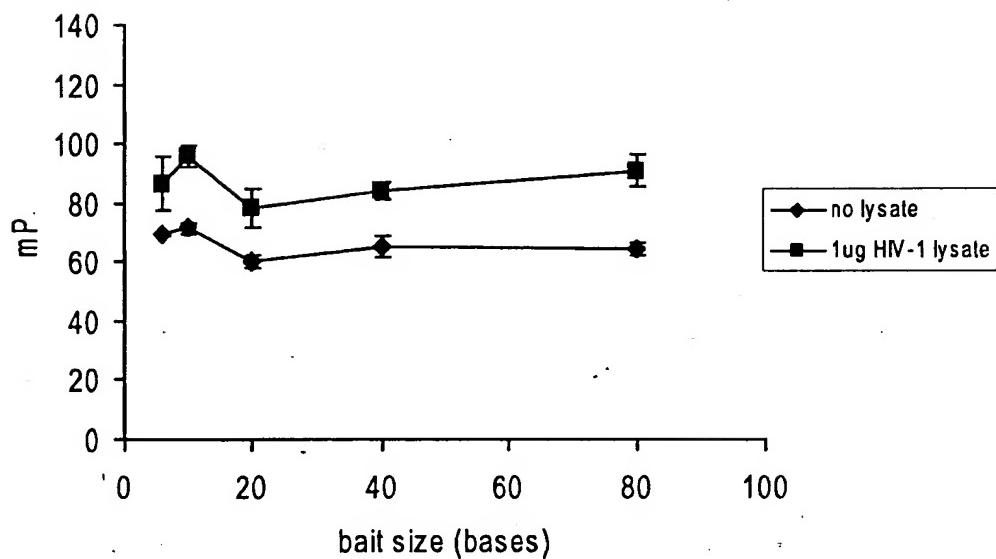


FIG. 32a

Bait size vs gp41 binding

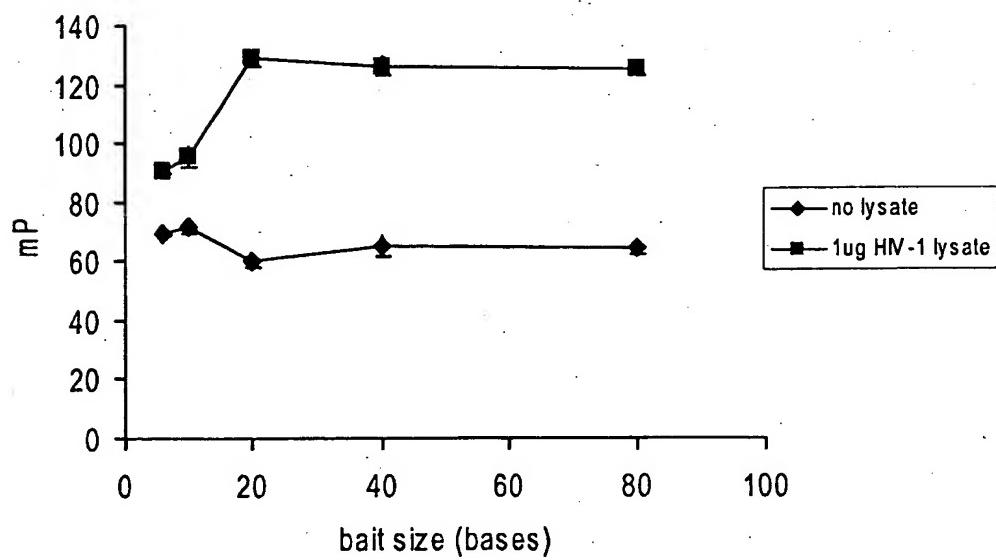


FIG. 32b

Replacement Sheet

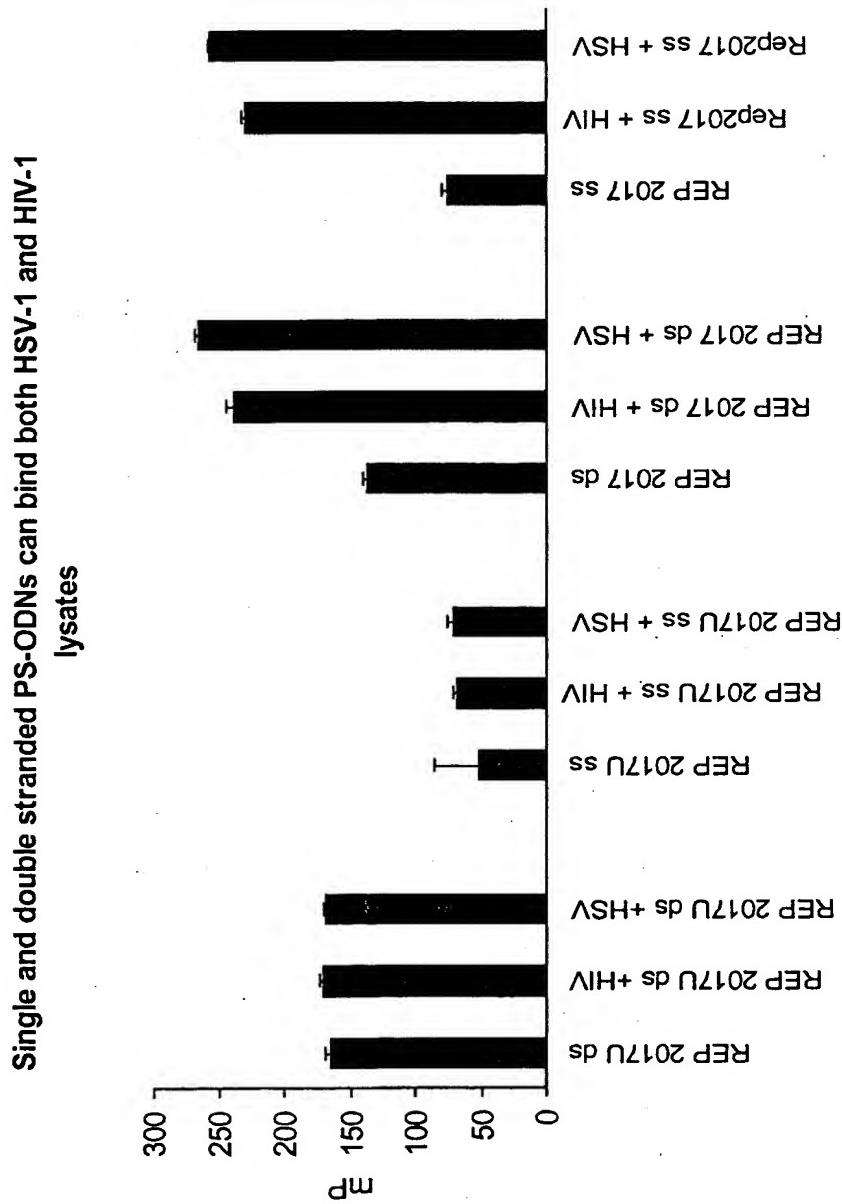


FIG. 33

Replacement Sheet

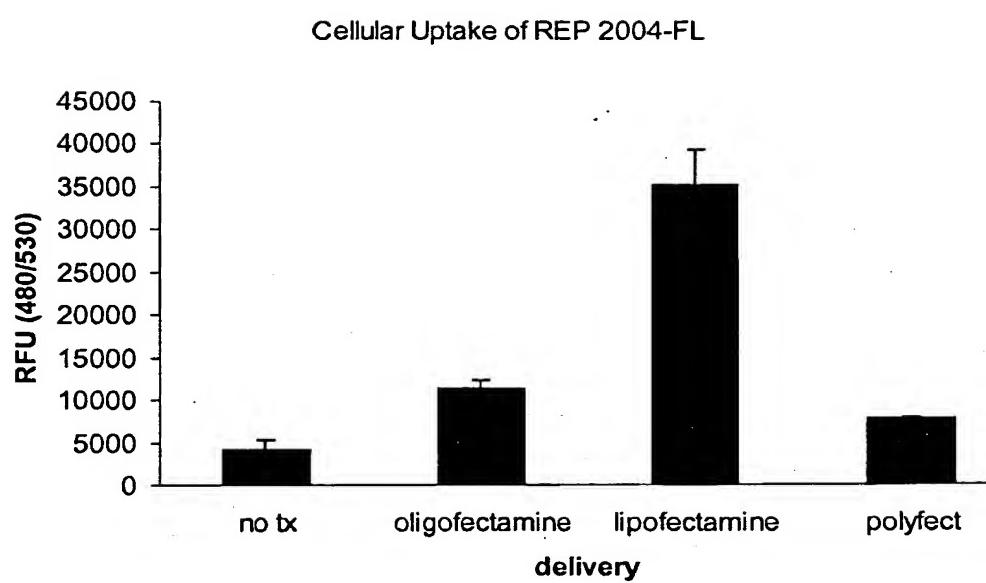


FIG. 34

Replacement Sheet

Sequence composition vs lysate binding (HSV-1)

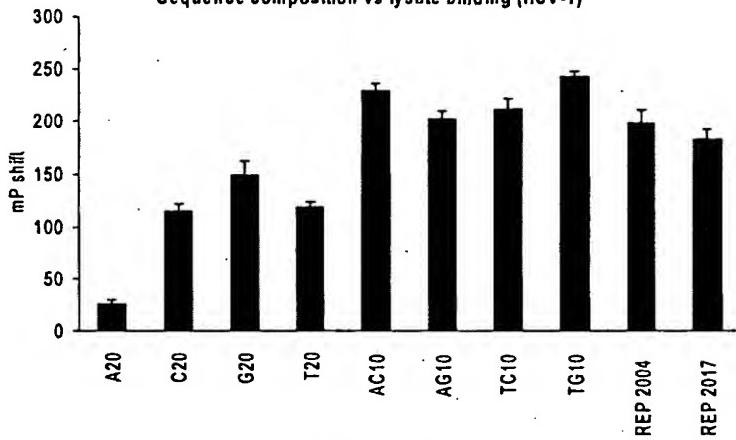


FIG. 35a

Sequence composition vs lysate binding (HIV-1)

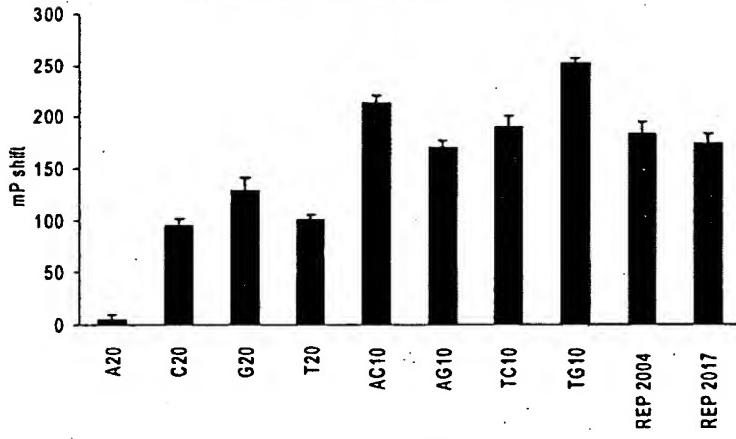


FIG. 35b

Sequence composition vs lysate binding (RSV)

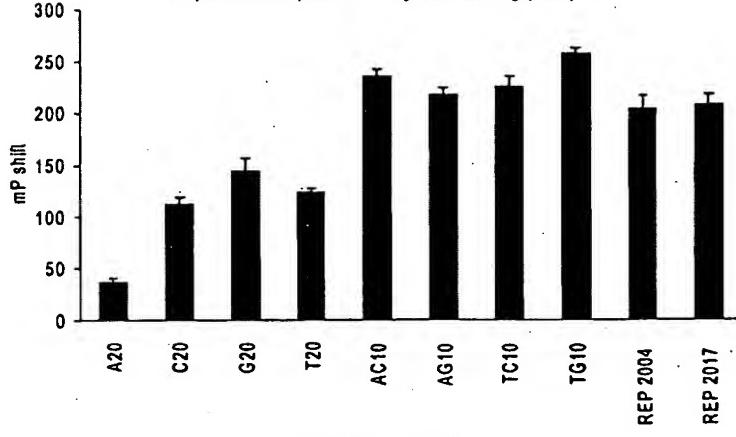


FIG. 35c

Replacement Sheet

REPLICOR compounds versus Vaccinia

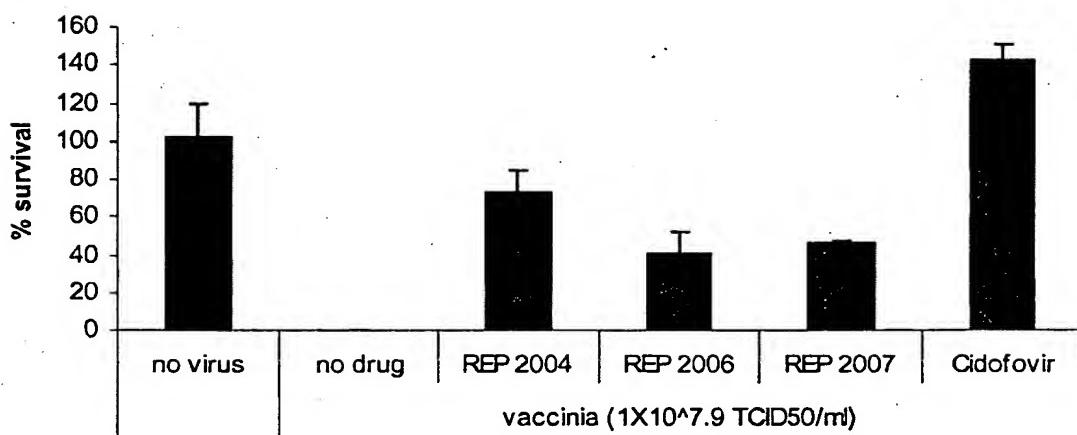


FIG. 36

Replacement Sheet

**SEQUENCE COMPOSITION VS ANTI-HSV
EFFICACY**

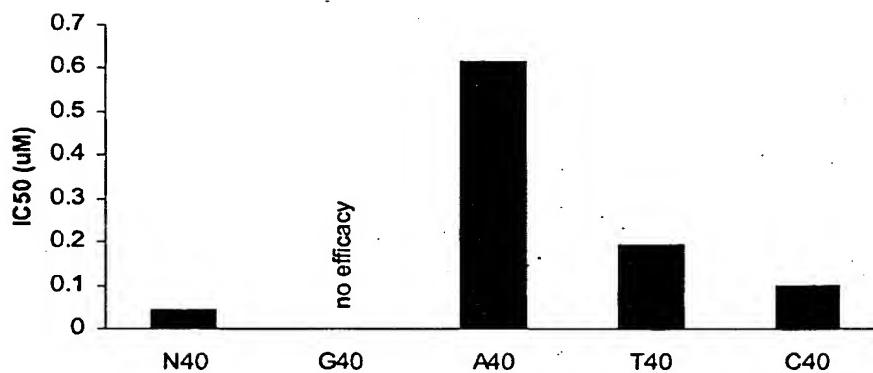


FIG. 37a

**Effect of sequence composition on efficiency
against HSV-1**

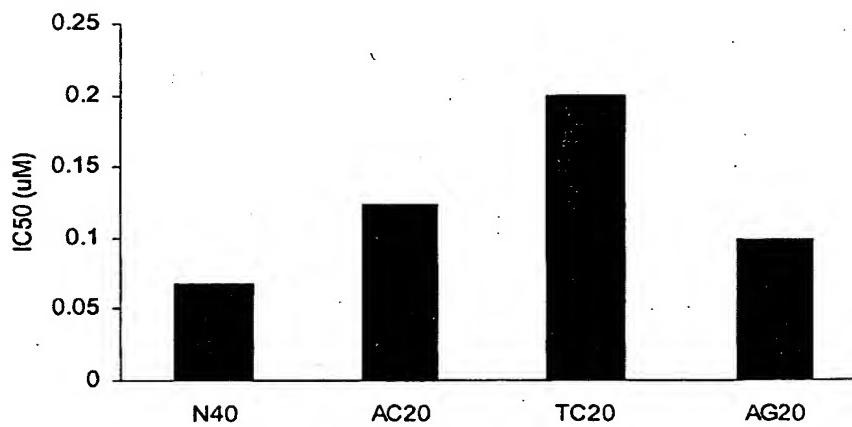


FIG. 37b